DOCUMENT RESUME

ED 227 763 HE 016 002

AUTHOR Sawyer, Richard L.
TITLE College Student Profiles: Norms for the ACT Assessment, 1980-81 Edition.
INSTITUTION American Coll. Testing Program, Iowa City, Iowa.
PUB DATE Jun 80
NOTE 137p.; Not available in paper copy due to small print.
AVAILABLE FROM ACT Publications, P.O. Box 168, Iowa City, IA 52243 ($3.00).
PUB TYPE Statistical Data (110) -- Reports - Research/Technical (143) -- Tests/Evaluation Instruments (160)

EDRS PRICE MF01 Plus Postage. PC Not Available from EDRS.
DESCRIPTORS *Academic Aspiration; *Aptitude Tests; Career Choice; College Choice; *College Freshmen; Disabilities; Family Income; Geographic Regions; Grades (Scholastic); Higher Education; Majors (Students); Minority Groups; *National Norms; *Student Characteristics
IDENTIFIERS *ACT Assessment

ABSTRACT

Extensive normative information are presented on about 455,170 college freshmen entering college in 1979 at 1,099 institutions participating in the American College Testing (ACT) Assessment Program. Norms are provided for males and females on ACT test scores and high school grades by college type, affiliation, and geographic region, and by student age, family income, planned educational major, racial-ethnic background, and physical handicap. Norms are also presented for the following characteristics by college type and affiliation: educational major and vocational choice, educational degree aspirations, importance of factors affecting college choice, financial aid considerations, and needs for special programs and services. An overview of the ACT assessment program is presented, along with the content and organization of College Student Profiles. The norms are given for four academic tests of the ACT (English, mathematics, social studies, and natural sciences). Norms are also presented for four self-reported high school grades, and high school average. A glossary of statistical and technical terms, the ACT Student Profile Section, and a discussion of accuracy of the norms are appended. (SW)

****
* Reproductions supplied by EDRS are the best that can be made *
* from the original document. *
****

ED227763

1980-81 Edition

College Student Profiles:
Norms for the ACT Assessment

U.S. DEPARTMENT OF EDUCATION
NATIONAL INSTITUTE OF EDUCATION
EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)

✓ This document has been reproduced as received from the person or organization originating it.
Minor changes have been made to improve reproduction quality.

• Points of view or opinions stated in this document do not necessarily represent official NIE position or policy.

"PERMISSION TO REPRODUCE THIS MATERIAL HAS BEEN GRANTED BY

ACT

TO THE EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)."

NE 016 002

The American College Testing Program

The American College Testing Program (ACT) is dedicated to the enrichment of education. It was founded as a public trust and operates as a nonprofit corporation governed by elected educational representatives from individual states or regions, and by a Board of Trustees.

A fundamental goal of ACT is to exercise educational leadership through guidance-oriented assessment and research services in order to (1) assist in the identification and solution of educational problems and (2) communicate to the general and professional publics knowledge and ideas about education.

The chief beneficiaries of ACT's services are students, secondary schools, institutions of postsecondary education, and educational researchers.

ACT, a nonprofit organization, is an Equal Opportunity Employer.
© 1980 by The American College Testing Program
All rights reserved.

Previous editions published in 1966, 1972, 1976, 1978

For additional copies write:
ACT Publications
P.O. Box 168
Iowa City, Iowa 52243

Price $3.00 (Check or money order must accompany request.)

Foreword

This book contains extensive normative information about enrolled college freshmen in the United States. Norms for the ACT Assessment test scores and high school grades of these students are given for colleges of different affiliation, degree level, and location, and according to students' sex, age, family income, planned educational major, racial-ethnic background, and possession of physical handicap. Norms are also given for certain nonacademic measures. All tables are based on data for freshmen students who entered college in 1979-80.

This edition of *College Student Profiles*, fifth in the series, was prepared by Richard L. Sawyer. We hope it will contribute to a better understanding of students and to improved services for them.

James Maxey
Assistant Vice President
and Director of Institutional Services
Research and Development Division
The American College Testing Program

Iowa City, Iowa
June 1980

Table of Contents

Chapter 1: Introduction
The ACT Assessment Program 1
The Class Profile Service 2
Content and Organization of *College Student Profiles* 3
Format for Reporting Norms 6
The Overall Population and the Sample 7
Using the Norms in This Book 8

Chapter 2: ACT Score and High School Grade Norms
Sex 9
Age 9
Family Income 10
Racial-Ethnic Background 10
Handicapped Students 10
College Type and Affiliation 11
Region of College 12
Norms Tables 13

Chapter 3: Student Profile Section (SPS) Norms
Educational Major and Vocational Choice 97
Educational Degree Aspirations 97
Importance of Factors Affecting College Choice 97
Financial Aid Considerations 98
Needs for Special Programs and Services 98
Racial-Ethnic Background 99
Norms Tables 100

Appendix A: Glossary 113

Appendix B: The ACT Interest Inventory and Student Profile Section 115

Appendix C: Accuracy of the Norms 123
Nonsampling Errors in This Survey 123
Sampling Errors 125

Tables

Number of Students and Colleges

1.1 Number of Students and Colleges in Enrolled Class Profile Population, by Type and Affiliation of College 4
1.2 Number of Students and Colleges in Enrolled Class Profile Population, by Region and Type of College 5

ACT Score and High School Grade Norms

2.1 Overall National ACT Score and High School Grade Norms ..13

Norms by Type of College
2.2 Students Enrolled in 2-Year Colleges 14
2.3 Students Enrolled in 4-Year Colleges 15
2.4 Students Enrolled in Master's Level Colleges 16
2.5 Students Enrolled in PhD Level Colleges 17
2.6 Students Enrolled in Hospital Schools of Nursing 18

Norms by Affiliation of College
2.7 Students Enrolled in Public Colleges 19
2.8 Students Enrolled in Private Colleges 20

Norms by Type and Affiliation of College
2.9 Students Enrolled in Public 2-Year Colleges 21
2.10 Students Enrolled in Public 4-Year Colleges 22
2.11 Students Enrolled in Public Master's Level Colleges 23
2.12 Students Enrolled in Public PhD Level Colleges 24
2.13 Students Enrolled in Private 2-Year Colleges 25
2.14 Students Enrolled in Private 4-Year Colleges 26
2.15 Students Enrolled in Private Master's Level Colleges 27
2.16 Students Enrolled in Private PhD Level Colleges 28

Norms by Region of College
2.17 Students Enrolled in West Coast Region Colleges 29
2.18 Students Enrolled in Rocky Mountains/Great Plains Region Colleges 30
2.19 Students Enrolled in Southwest Region Colleges 31
2.20 Students Enrolled in Midwest Region Colleges 32
2.21 Students Enrolled in South/Southeast Region Colleges 33
2.22 Students Enrolled in East/Northeast Region Colleges 34

(Continued)

Tables *(Continued)*

Norms by Region and Type of College

2.23 Students Enrolled in West Coast Region 2-Year Colleges 35
2.24 Students Enrolled in West Coast Region 4-Year Colleges 36
2.25 Students Enrolled in West Coast Region Master's Level Colleges 37
2.26 Students Enrolled in West Coast Region PhD Level Colleges . 38
2.27 Students Enrolled in Rocky Mountains/Great Plains Region 2-Year Colleges 39
2.28 Students Enrolled in Rocky Mountains/Great Plains Region 4-Year Colleges 40
2.29 Students Enrolled in Rocky Mountains/Great Plains Region Master's Level Colleges 41
2.30 Students Enrolled in Rocky Mountains/Great Plains Region PhD Level Colleges 42
2.31 Students Enrolled in Southwest Region 2-Year Colleges 43
2.32 Students Enrolled in Southwest Region 4-Year Colleges 44
2.33 Students Enrolled in Southwest Region Master's Level Colleges 45
2.34 Students Enrolled in Southwest Region PhD Level Colleges .. 46
2.35 Students Enrolled in Midwest Region 2-Year Colleges 47
2.36 Students Enrolled in Midwest Region 4-Year Colleges 48
2.37 Students Enrolled in Midwest Region Master's Level Colleges 49
2.38 Students Enrolled in Midwest Region PhD Level Colleges 50
2.39 Students Enrolled in South/Southeast Region 2-Year Colleges 51
2.40 Students Enrolled in South/Southeast Region 4-Year Colleges 52
2.41 Students Enrolled in South/Southeast Region Master's Level Colleges 53
2.42 Students Enrolled in South/Southeast Region PhD Level Colleges 54
2.43 Students Enrolled in East/Northeast Region 2-Year Colleges . 55
2.44 Students Enrolled in East/Northeast Region 4-Year Colleges . 56
2.45 Students Enrolled in East/Northeast Region Master's Level Colleges 57
2.46 Students Enrolled in East/Northeast Region PhD Level Colleges 58

Norms by Students' Age at Time of Testing

2.47 Students 18 Years Old or Younger at Time of Testing 59
2.48 Students 19-20 Years Old at Time of Testing 60
2.49 Students 21-24 Years Old at Time of Testing 61
2.50 Students 25 Years or Older at Time of Testing 62

Norms by Students' Family Incomes
2.51 Students with Family Incomes under $6,000 63
2.52 Students with Family Incomes of $6,000-$11,999 64
2.53 Students with Family Incomes of $12,000-$19,999 65
2.54 Students with Family Incomes of $20,000 and Over 66
2.55 Students Who Chose Not to Disclose Family Income 67

Norms by Students' Planned Educational Major
2.56 Students Planning to Major in Agriculture 68
2.57 Students Planning to Major in Architecture 69
2.58 Students Planning to Major in Biological Sciences 70
2.59 Students Planning to Major in Business and Commerce 71
2.60 Students Planning to Major in Communications 72
2.61 Students Planning to Major in Computer and Information Science Fields 73
2.62 Students Planning to Major in Education Fields 74
2.63 Students Planning to Major in Engineering Fields 75
2.64 Students Planning to Major in Fine and Applied Arts Fields 76
2.65 Students Planning to Major in Foreign Languages 77
2.66 Students Planning to Major in Health Professions 78
2.67 Students Planning to Major in Home Economics 79
2.68 Students Planning to Major in Letters 80
2.69 Students Planning to Major in Mathematical Fields 81
2.70 Students Planning to Major in Physical Science Fields 82
2.71 Students Planning to Major in Community Service Fields 83
2.72 Students Planning to Major in Social Sciences 84
2.73 Students Planning to Major in Trade, Industrial, and Technical Fields 85
2.74 Students Planning to Major in General Studies 86
2.75 Students Undecided about Their Major 87

Norms by Students' Racial-Ethnic Background
2.76 Afro-American/Black Students 88
2.77 American Indian/Native American/Aleutian (Eskimo) Students 89
2.78 Caucasian American/White Students 90
2.79 Mexican American or Chicano Students 91
2.80 Oriental American Students 92
2.81 Puerto Rican or Spanish-speaking American Students 93
2.82 Students of Other Racial-Ethnic Backgrounds 94
2.83 Students Who Considered Their Racial-Ethnic Background Confidential 95

(Continued)

Tables *(Continued)*

Norms for Handicapped Students
2.84 Students Who Indicated They Are Handicapped.....96

Student Profile Section Norms

3.1 Distribution of Planned Educational Major and First Vocational Choice 100
3.2 Distribution of Educational Degree Aspirations.....102
3.3 Distribution of Importance of Factors Affecting College Choice 104
3.4 Distribution of Financial Aid Considerations 106
3.5 Distribution of Needs for Special Programs and Services....108
3.6 Distribution of Racial-Ethnic Background 110

Estimated Standard Errors

C.1 Estimated Standard Errors for Estimated Proportions.....127

Chapter 1

Introduction

This book is an extensive description of the fall 1979 freshman students at 1,099 institutions participating in the ACT Assessment Program. It provides norms for ACT test scores and high school grades by college type, affiliation, and geographic region, and by student age, family income, planned educational major, racial-ethnic background, and possession of physical handicap. It also provides norms for nonacademic characteristics by college type and affiliation.

The ACT Assessment Program

The ACT Assessment Program is a comprehensive evaluative, guidance, and placement service for students and educators involved in the transition from high school to college. It is based on the ACT Assessment, which consists of four academic tests, self-reported high school grades, the Student Profile Section (SPS), and the ACT Interest Inventory. The program also includes a number of supporting research services.

The four academic tests of the ACT Assessment measure abilities in the subject areas traditionally identified with college and high school programs: English, mathematics, social studies, and natural sciences. The English Usage Test measures students' understanding and use of the basic elements of correct and effective writing; the Mathematics Usage Test, their mathematical reasoning and problem-solving ability; the Social Studies Reading Test, the problem-solving skills required in the social studies; the Natural Science Reading Test, the critical reasoning and problem-solving skills required in the natural sciences. The arithmetic average of the scores on these four tests is the ACT Composite score, which is often used as a measure of overall academic ability.

ACT test scores are reported on a standard scale that ranges from 1 to 36. On this scale, a student's true score is usually within two score points on either side of the score reported for each of the four tests and within one point on either side of the reported ACT Composite score.

When students register for the ACT Assessment, they report the last grade received prior to the senior year of high school in each of the four subject areas. The arithmetic average of these four grades—the high school average—provides another measure of overall academic ability. The high school average also reflects students' academic motivation and other college grade-related factors. For a further discussion of the technical aspects of ACT test scores and high school grades, consult the *Technical Report for the ACT Assessment Program* (ACT, 1973).

Another component of the ACT Assessment is the Student Profile Section (SPS). Through the SPS, students provide information about their background, extracurricular accomplishments, special academic needs, housing plans, financial need, planned major, and career plans. Students complete the SPS when they register for the ACT Assessment.

The ACT Interest Inventory measures students' preferences for job-related activities in six basic interest dimensions: Science, Creative Arts, Social Service, Business Contact, Business Detail, and Technical. The resulting information assists students in selecting a college major and in exploring career options. Students complete the Interest Inventory when they register for the ACT Assessment.

Information from all these sources—the ACT tests, high school grades, SPS, and Interest Inventory—is organized into individual Student Profile Reports, which are sent to the students and colleges. With the summary information provided by the Student Profile Report, students and educators can make informed plans and decisions.

The Class Profile Service

A major research service supporting the ACT Assessment Program is the Class Profile Service. Through the Class Profile Service, ACT provides every participating college a summary description of its entering freshman class. In addition, it provides a parallel description of those students who considered the college but did not enroll. Information about the academic abilities, goals, needs, and other characteristics of each student group is compiled in a series of tables called the Class Profile Report. The Class Profile Report has proven useful to college officials concerned with public information programs, student personnel functions, admissions, administration, and instruction.

To participate in the Class Profile Service, a college must have been chosen by 25 or more enrolled students to receive their ACT Student Profile Reports. Every year, ACT automatically sends each such college a roster of these students' names. Colleges that want to participate in the Class Profile Service designate each student on the roster as either enrolled or nonenrolled. ACT then uses the rosters to prepare separate Class Profile Reports for the enrolled and nonenrolled students at each college.

Every two or three years, ACT aggregates information from the individual Class Profile Reports of enrolled students into a book of national user norms. In this book, *College Student Profiles*, ACT test score percentile ranks, high school grade percentages, and frequency distributions for several SPS items are reported for various regions of the country, types of institutions, and subgroups of students. The current edition, the fifth in the series, is based on data obtained from freshmen enrolled in the fall of 1979.

Content and Organization of *College Student Profiles*

ACT Score and High School Grade Norms

Norms for the five ACT scores (the four academic test scores and the Composite), the four self-reported high school grades, and high school average are given in Chapter 2. These norms are provided according to the following breakdowns:

1. For all students (overall national norms)
2. By type of college (highest degree offered)
3. By affiliation of college (public or private)
4. Jointly by type and affiliation of college
5. By geographical region
6. Jointly by region and type of college
7. By age of student
8. By family income of student
9. By planned educational major of student
10. By racial-ethnic background of student
11. For handicapped students

In addition, each of these categories is broken down further by sex.

College type is determined by the highest degree offered by the institution.

Type 1: Two but less than 4 years of work beyond Grade 12—includes junior colleges, technical institutes, and normal schools offering at least a 2-year program of college level studies.

Type 2: Only the bachelor's or first professional degree—includes those institutions offering courses of study leading to the customary Bachelor of Arts or Bachelor of Science degree and all those degrees that entitle the possessor to enter the profession indicated.

Type 3: Master's and/or second professional degree—includes those institutions offering the customary first graduate degree and any degree earned in the same field after the bachelor's or first professional degree. This type of institution does *not* offer the Doctor of Philosophy or equivalent degrees.

Type 4: Doctor of Philosophy and equivalent degrees—includes those institutions that are considered universities.

Type 5: Hospital schools of nursing.

The **geographic regions** and the states included in each region are:

Region 1 West Coast	Alaska, California, Hawaii, Idaho, Nevada, Oregon, Washington
Region 2 Rocky Mountains/ Great Plains	Colorado, Kansas, Montana, Nebraska, North Dakota, South Dakota, Utah, Wyoming
Region 3 Southwest	Arizona, New Mexico, Oklahoma, Texas
Region 4 Midwest	Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, Ohio, Wisconsin
Region 5 South/Southeast	Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee, Virginia
Region 6 North/Northeast	Connecticut, Delaware, District of Columbia, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont, West Virginia

The number of students and the number of colleges represented in categories defined by affiliation, region, and type are shown in Tables 1.1 and 1.2. On request, ACT will furnish the names of the institutions in all categories in which there are five or more institutions.

TABLE 1.1

Number of Students and Colleges in Enrolled Class Profile Population, by Type and Affiliation of College

	Type						
Affiliation	Type 1 2-year	Type 2 4-year	Type 3 Master's	Type 4 Doctorate	Type 5 Nursing	Other	Total
Public	82,446 (332)	13,894 (35)	80,934 (126)	170,579 (111)	274 (6)	27,954 (3)	376,081 (613)
Private	7,119 (48)	37,597 (274)	17,262 (91)	15,447 (37)	1,490 (35)	174 (1)	79,089 (486)
Total	89,565 (380)	51,491 (309)	98,196 (217)	186,026 (148)	1,764 (41)	28,128 (4)	455,170 (1,099)

Note: The figures in parentheses are the numbers of colleges in the various categories.

TABLE 1.2

Number of Students and Colleges in Enrolled Class Profile Population, by Region and Type of College

Region	Type						
	Type 1 2-year	Type 2 4-year	Type 3 Master's	Type 4 Doctorate	Type 5 Nursing	Other	Total
Region 1 West Coast	5,108 (14)	466 (5)	3,781 (23)	5,320 (14)	0 (0)	0 (0)	14,675 (56)
Region 2 Rocky Mts / Great Plains	9,153 (59)	7,658 (48)	10,219 (22)	31,364 (20)	266 (6)	0 (0)	58,660 (155)
Region 3 Southwest	20,106 (68)	3,618 (24)	12,856 (21)	22,099 (21)	0 (0)	0 (0)	58,679 (134)
Region 4 Midwest	27,340 (123)	25,309 (140)	34,999 (80)	80,023 (46)	1,164 (31)	25,275 (1)	194,110 (421)
Region 5 South / Southeast	16,401 (74)	9,096 (61)	32,506 (52)	42,207 (31)	334 (4)	0 (0)	100,547 (222)
Region 6 East / Northeast	11,454 (42)	5,344 (31)	3,835 (19)	5,013 (16)	0 (0)	2,853 (3)	28,499 (111)
Total	89,565 (380)	51,491 (309)	98,196 (217)	186,026 (148)	1,764 (41)	28,128 (4)	455,170 (1,099)

Note. The figures in parentheses are the numbers of colleges in the various categories.

Student Profile Section Norms

Chapter 3 gives frequency distributions for the SPS items concerning educational major and vocational choice, degree aspiration, importance of factors affecting college choice, financial aid considerations, needs for special programs, and racial-ethnic background. Frequency distributions are broken down as follows:

1. All students (overall national norms).
2. Jointly, by type and affiliation of college.

In addition, the frequency distributions are broken down further by sex.

Other Contents

Appendix A is a glossary of the statistical and technical terms used in this book. Appendix B contains the ACT Student Profile Section. Appendix C is a discussion of accuracy of the norms. A list of all tables in this book is provided after the Table of Contents.

Format for Reporting Norms

ACT score norms are reported in percentile ranks, a method of indicating the rank of a given score relative to the scores of a group of people. This concept is best explained by an illustration. According to Table 2.1, for example, the national percentile rank of a standard score of 20 on the English test is 63 for men, 54 for women, and 58 for men and women combined. This means that 63% of all male students who took the ACT Assessment and who enrolled in Class Profile participating colleges throughout the nation scored less than 20 on the English test; 54% of all comparable female students scored less than 20, and 58% of all comparable students, without regard to sex, scored less than 20. Further discussion of percentile ranks is given in Appendix A.

Beneath each column of percentile ranks are the mean (average) ACT standard score, the standard deviation (see Appendix A), and the size of the sample on which these statistics are based. The sample size for a group is one-tenth the size of that group in the entire Class Profile population, except for Tables 2.6 (Nursing) and 2.84 (Handicapped). These two tables are based on 100% samples.

The high school grade norms are reported in percentages, rather than in percentiles. For example, in Table 2.1, 26% of all males who took the ACT Assessment and who enrolled in Class Profile participating colleges throughout the nation reported an "A" in English, as did 41% of all females and 34% of the total population of students, male and female. On a scale where A=4, B=3, C=2, D=1, and F=0, the average high school English grade for men is 2.92; for women, 3.23; and for men and women combined, 3.09.

The sample sizes reported for high school grades are different from those reported for ACT scores, because some students who wrote the ACT Assessment did not report high school grades. In fact, the samples for the different high school grades are not of equal size. The sample size listed for high school grades is the number of students who reported at least three of the four grades. Thus, the sample size indicated for a particular subject area is usually somewhat smaller than the number of students who actually reported grades in the area.

High school average in these tables is calculated as the mean of the four individual high school grades when all four grades are reported. When only three grades are reported, the missing grade is calculated as the mean of the other three grades. High school average is not calculated when fewer than three individual grades are reported. The percentages for high school average (last three columns) pertain to high school average rounded to the nearest whole letter grade.

Like the norms for high school grades, the norms for SPS items are reported in percentages. Thus, Table 3.1 shows that 9% of all male students in Class Profile Private 2-year colleges plan to major in agriculture or forestry, and that for 11% of all male students, these fields were the first vocational choice. The corresponding figures for females are 2% and 1%.

The Overall Population and the Sample

The population for this study consists of the fall 1979 enrolled freshmen represented in the ACT Class Profile Service. Of the more than 900,000 students who took the ACT Assessment during the academic year 1978-79 or earlier, 455,170 were identified as 1979 freshmen in the enrolled Class Profile Reports sent to 1,099 participating postsecondary institutions.

For this study, all Class Profile enrolled students were listed on magnetic tape in college code order and in alphabetical order within each college. Then every 10th student was selected for a 10% sample. This sampling method closely approximates taking separate, independent random samples from each institution, with the sample size for an institution proportional to the number of students in its enrolled Class Profile Report. One can be confident that the sample upon which the norms are based is highly representative of students in the Class Profile population.

Many colleges with students in the sample have freshmen who did not take the ACT Assessment and who therefore are missing from the population from which the sample was selected. Crockett surveyed the institutions participating in the 1974-75 Class Profile Service to determine the number of full-time freshmen who enrolled at each institution in September 1974.[1] He found that 51% of the freshmen enrolled at institutions participating in the 1974 Class Profile Service had taken the ACT Assessment. There are several explanations for this 49% nonparticipation rate. Some colleges collect ACT scores directly from high school transcripts or from students' score reports and do not elect to enter them into the Class Profile Service. Some colleges do not require their students to take entrance examinations; others exempt special groups of students (e.g., adults, vocational students, and educationally disadvantaged students) from test requirements. Some colleges accept either SAT or ACT scores. For these reasons, it is doubtful that the sample in this study is representative of *all* freshmen at ACT-participating colleges. It is, however, representative of all freshmen at these schools who took the ACT Assessment.

It should be noted further that this sample includes only students attending ACT-participating institutions. These institutions are located primarily in the Midwest, the Rocky Mountains, the Great Plains, and the South; fewer of them are in the Northeast, the extreme Northwest, and the Middle Atlantic states. Public institutions are represented more frequently than private colleges. The students in the sample are therefore not representative of freshmen in the nation as a whole.

Because most of the norms in this study are based on a 10% sample rather than on the entire Class Profile population, they differ somewhat from the true norms. This error due to sampling is likely to be insignificant, however, in norms for subgroups with sample sizes of 2,000 or more. A discussion of the sampling error and of other technical aspects of this study is given in Appendix C.

---

[1] D. S. Crockett, *Survey of ACT-Participating Colleges* (Iowa City, Iowa: The American College Testing Program, 1975).

Using the Norms in This Book

The norms in this book can be used in two major contexts: in administrative interpretation of local group statistics for evaluation and planning, and in individual counseling and guidance.

College officials obtain local norms for their institutions through the ACT Class Profile Service, the ACT Basic Research Service, or the ACT Standard Research Service; high school officials obtain their local norms through the ACT High School Profile Service. In each case, officials are interested in comparing their students to particular normative groups. Special research projects that focus on a specific group of local students have a similar goal. If institutional officials explore the similarities and differences between the local groups and an appropriate national normative group or groups, they may find results which have implications for evaluation, planning, and decision making. For example, college administrators may discover that their incoming freshmen, when compared to freshmen at colleges of the same type, have special needs, plans, or abilities. High school officials may discover whether local college-bound students are being adequately prepared for the colleges of their choice.

In addition to being useful for local research, the norms in this book can be helpful in precollege guidance and college counseling. College admissions counselors can use the norms to show individual students or groups of students how their college differs from other colleges of the same type or in the same geographical region. Similarly, counselors can let prospective candidates know how the local enrolled students majoring in a particular subject area compare with similar students nationally.

Chapter 2

ACT Score and High School Grade Norms

In this chapter, statistical summary tables are given for the ACT test scores and high school grades of various subgroups of enrolled 1979-80 freshmen. These subgroups are defined by the region, type, and affiliation of the college at which the students enrolled, and by the students' sex, age, race, family income, planned educational major, and possession of physical handicap. Some of the differences among subgroups in their average ACT test scores and high school grades are briefly described below.

Sex

Men students generally have higher average scores than women on the ACT mathematics, social studies, and natural sciences tests but lower average scores than women on the English test. This is true not only for the total population of men and women but also for most subgroups. Nationally, men average 2.9 ACT score units higher than women on the mathematics test, 2.2 units higher on the natural sciences test, and 1.6 units higher on the social studies test. Nationally, women average about 1.1 units higher than men on the English test.

Men students generally have lower self-reported high school grades than do women in all four subject areas. With few exceptions, this is true of all subgroups, defined by region, affiliation, and type of college, as well as by age, race, and family income of student. Nationally, men average .08 to .09 grade units lower than women in mathematics, social studies, and natural sciences, and .31 grade units lower in English.

Age

Freshmen who were 18 years or younger when they took the test had significantly higher ACT scores in all four areas than freshmen who were 19 years or older. The average ACT Composite score of students 18 years or younger is 19.4. For students 19-20, the average ACT Composite is 15.0; for students 21-24, it is 14.4; and for students 25 or older, it is 15.0.

A similar pattern is true of high school grades. The average high school average for students 18 or younger at time of testing is 3.04. For students 19-20, it is 2.67; for students 21-24, it is 2.50; and for students 25 years or older, it is also 2.50. To a small extent, these differences may be the result of an inflationary trend in high school grades during the past few years. For example, the average high school average for fall 1979 enrolled freshmen is 3.00; for fall 1977 enrolled freshmen, it was 2.97; for fall 1975 freshmen, it was 2.90.

Family Income

All four ACT scores steadily increase, on the average, as family income increases. Mean scores for students with family incomes under $6,000 are 14.5 in English, 12.7 in mathematics, 13.3 in social studies, and 17.2 in natural sciences. Mean scores for students with family incomes above $20,000 are 19.6 in English, 20.1 in mathematics, 19.5 in social studies, and 23.1 in natural sciences. The average ACT scores for students who consider the family's income confidential are between those of students with incomes of $6,000-$11,999 and those with incomes of $12,000-$19,999.

High school grades also tend to increase with family income. Average English grades range from 2.81 for students with incomes under $6,000 to 3.17 for students in the highest income category. Average high school math grades increase from 2.59 for students in the lowest category to 2.84 for students in the highest. Average social studies grades vary from 2.94 to 3.27; average natural sciences grades, from 2.74 to 3.04.

Racial-Ethnic Background

There are marked differences among the racial-ethnic groups in their average ACT scores. Students who identified themselves as Caucasian American/White have the highest average scores, with an average Composite of 19.9. The next highest average scores are those of Oriental Americans, with an average Composite of 19.5. The average Composite score for American Indians/Native Americans/Aleutians (Eskimos) is 15.6; for Puerto Ricans or Spanish-speaking Americans, 15.1; for Mexican Americans or Chicanos, 14.1; and for Afro-Americans/Blacks, 12.6. Students with other racial-ethnic backgrounds have an average Composite of 17.0. Those who chose not to identify their racial-ethnic background average 19.7. Within each racial-ethnic background, there is considerable variation among the four test scores.

Similar variation among racial-ethnic groups is apparent in the high school grades. Oriental students have the highest average high school average, 3.09; whites, the next highest, 3.06. The average high school average for Chicanos is 2.82; for American Indians, 2.80; for Puerto Ricans, 2.78; and for blacks, 2.67. Within each racial-ethnic group, the average mathematics grade is the lowest and the average social studies grade is the highest.

Handicapped Students

Norms are also presented for students who indicated in Item 8 of the Student Profile Section that they have a physical handicap or disability that may require special services or provisions from the college they attend. Of the 455,170 students in the enrolled Class Profile population, 4,076 (about 1%) responded affirmatively to this item. It should be noted that some of these students might have handicaps that would have little influence on their ability to perform on the test; therefore, the results may not be representative of persons with severe handicaps (e.g., blindness) that could affect their performance on the test.

ACT does administer special versions of the ACT Assessment (in Braille, large type, and audio media) to students who require them. ACT is currently preparing enrolled college freshman norms for these students.

The average ACT scores for students who identified themselves as handicapped on the Student Profile Section are generally about 2 units lower than those of the general population. The self-reported high school grades are also somewhat lower for handicapped students, by about .17 grade units.

College Type and Affiliation

ACT scores of students enrolled in 2-year colleges average 15.8 in English, 13.9 in mathematics, 14.4 in social studies, 18.4 in natural sciences, and 15.8 on the Composite. Freshmen in private 2-year colleges have somewhat higher ACT scores than freshmen in public 2-year colleges: for example, the former group has an average ACT Composite score of 16.4, and the latter group has an average ACT Composite score of 15.7.

Students enrolled in public 4-year colleges have an average ACT Composite of 17.5; those enrolled in public master's level colleges have an average Composite of 17.3; those enrolled in public PhD level colleges have an average Composite of 20.1. These orderings are fairly uniform across all four of the subtests.

The average ACT Composite of students enrolled in private 4-year colleges is 19.0; for students enrolled in private master's level colleges, it is 20.0; for those enrolled in private PhD level colleges, it is 22.6. These orderings are uniform across all subtests.

The high school averages for students in 2-year colleges are 2.85 in English, 2.57 in mathematics, 2.91 in social studies, and 2.74 in natural sciences. The averages for 4-year college students are 3.09 in English, 2.77 in mathematics, 3.17 in social studies, and 2.94 in natural sciences.

The high school grades of students in private 2-year colleges average about .10 grade units higher than those of students in public 2-year colleges. Similarly, students in private 4-year colleges have high school grades that are about .11 grade units higher, on the average, than those of students in public 4-year colleges.

There are also differences in self-reported high school grades among students enrolled in public and private master's level colleges. In English, students average about 3.00 (public) versus 3.19 (private); in mathematics, 2.69 and 2.83; in social studies, 3.11 and 3.25; in natural sciences, 2.89 and 3.04.

The self-reported high school grades of students enrolled in PhD level colleges average about .14 grade units higher than those of students enrolled in master's level colleges. Students in the private PhD level colleges also have considerably higher average self-reported grades (3.30) than those in the public PhD level colleges (3.07).

Region of College

Students enrolled in Southwest and South/Southeast colleges have an average ACT Composite of 17.0-17.1. Students in West Coast and East/Northeast colleges have an average Composite in the neighborhood of 18.0-18.4, and students in Rocky Mountains/Great Plains and Midwest colleges have an average of 19.6-20.3. It should be kept in mind that these differences may reflect the under-representation of West Coast and East/Northeast colleges among ACT users.

Somewhat different regional patterns exist among the high school grades. Students enrolled in South/Southeast and East/Northeast colleges have an average high school average of 2.90-2.92; students in West Coast and Southwest colleges average 2.96-2.98; and students in Midwest and Rocky Mountains/Great Plains colleges average 3.05-3.07.

TABLE 2.1

Overall National ACT Score and High School Grade Norms

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	98	99	99	99	99	99	98	99	99	99	99	99	33
32	99	99	99	97	99	98	99	99	99	95	99	97	99	99	99	32
31	99	99	99	96	99	97	98	99	98	91	97	94	99	99	99	31
30	99	99	99	94	98	96	96	98	97	86	94	90	98	99	98	30
29	99	98	98	91	96	94	94	97	96	80	91	86	96	98	97	29
28	98	97	97	87	94	91	91	95	94	75	87	82	93	96	95	28
27	97	95	96	82	91	87	88	93	91	71	84	78	90	94	92	27
26	96	93	94	76	87	82	83	90	87	65	79	73	85	91	88	26
25	94	91	92	71	84	78	78	85	82	60	75	68	80	87	84	25
24	91	87	88	68	81	75	72	80	76	55	70	63	74	82	78	24
23	86	81	83	64	78	71	66	74	71	50	65	58	68	77	73	23
22	79	72	75	60	74	68	61	70	66	45	60	53	61	72	67	22
21	71	63	67	56	71	64	57	66	62	40	54	48	55	66	61	21
20	63	54	58	51	67	60	52	61	57	35	49	43	49	60	55	20
19	55	47	51	46	62	55	48	57	53	31	44	38	43	54	49	19
18	48	40	44	42	57	50	45	53	49	27	38	33	38	48	44	18
17	42	34	38	38	52	46	41	50	46	22	32	28	33	42	38	17
16	36	29	32	34	48	41	38	46	43	19	27	23	29	36	33	16
15	31	24	27	30	44	38	35	43	39	14	20	18	24	31	28	15
14	26	20	23	27	40	34	31	39	35	11	15	13	20	26	23	14
13	21	17	19	24	36	30	28	35	32	8	12	10	16	21	18	13
12	17	13	15	20	30	26	24	31	28	6	9	8	12	16	14	12
11	13	10	11	17	26	22	21	26	23	5	6	5	9	12	11	11
10	10	7	8	14	23	19	16	21	18	3	4	4	6	8	7	10
9	7	5	6	11	18	15	12	16	14	3	3	3	4	5	5	9
8	5	3	4	9	15	12	9	12	11	2	2	2	3	3	3	8
7	3	2	2	6	11	9	6	8	7	1	1	1	1	2	1	7
6	2	1	1	4	7	6	4	5	5	1	1	1	1	1	1	6
5	1	1	1	3	5	4	2	3	3	1	1	1	1	1	1	5
4	1	1	1	2	4	3	1	2	1	1	1	1	1	1	1	4
3	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	17.6	18.7	18.2	19.4	16.5	17.8	18.5	16.9	17.7	22.5	20.3	21.3	19.6	18.2	18.9	
Std. Dev.	5.3	5.3	5.4	7.6	7.4	7.6	7.3	7.1	7.3	6.6	6.1	6.4	5.9	5.7	5.8	

Sample Size Men (M): 20,771; Women (W): 24,745; Total (T): 45,516

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	26	41	34	23	25	24	36	41	39	25	28	27	28	35	32	A (4)
B (3)	44	41	43	34	34	34	39	37	38	37	37	37	50	50	50	B (3)
C (2)	25	15	20	29	27	28	18	15	17	24	21	22	21	15	18	C (2)
D (1)	4	2	3	8	6	7	2	2	2	4	3	3	1	1	1	D (1)
F (0)	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	1	1	1	5	7	6	4	4	4	10	11	11				Not Taken
Mean	2.92	3.23	3.09	2.74	2.82	2.78	3.13	3.22	3.18	2.92	3.01	2.97	2.92	3.07	3.00	
Std. Dev.	0.83	0.77	0.81	0.96	0.93	0.94	0.82	0.80	0.81	0.86	0.83	0.85	0.67	0.64	0.66	

Sample Size Men (M): 18,994; Women (W): 22,124; Total (T): 41,118

[a] Rounded to the nearest whole letter grade

TABLE 2.2

ACT Score and High School Grade Norms for Students Enrolled in 2-Year Colleges

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32
31	99	99	99	99	99	99	99	99	99	97	99	98	99	99	99	31
30	99	99	99	99	99	99	99	99	99	95	98	97	99	99	99	30
29	99	99	99	98	99	99	98	99	99	92	96	95	99	99	99	29
28	99	99	99	97	99	98	97	98	98	89	94	92	99	99	99	28
27	99	99	99	95	97	96	96	98	97	87	93	90	98	99	98	27
26	99	98	98	93	96	95	94	96	95	83	90	87	96	97	97	26
25	99	97	9	90	94	93	91	94	93	79	87	84	94	96	95	25
24	97	95	96	88	93	91	87	91	89	75	84	80	91	94	92	24
23	95	91	93	85	91	89	83	87	86	71	80	76	87	91	89	23
22	92	85	88	82	89	86	80	84	82	66	76	72	84	87	86	22
21	88	78	82	79	87	84	76	81	79	61	71	67	80	83	82	21
20	83	71	76	76	84	81	72	77	75	56	66	62	75	79	77	20
19	76	64	69	71	80	77	68	73	71	51	61	57	69	74	72	19
18	69	57	62	67	76	72	66	70	68	45	55	51	63	68	66	18
17	63	50	55	62	72	68	62	67	65	39	48	44	58	62	60	17
16	57	44	49	57	68	63	59	63	61	33	41	38	51	56	54	16
15	50	39	43	52	63	59	55	60	58	27	33	30	45	49	47	15
14	44	34	38	48	59	55	50	55	53	21	25	23	38	42	40	14
13	38	28	32	42	54	49	46	51	49	17	20	18	31	35	34	13
12	32	23	27	37	47	43	42	46	44	13	15	14	25	28	27	12
11	26	18	21	32	41	37	36	40	38	10	11	11	19	22	21	11
10	20	13	16	26	36	32	29	33	31	7	8	8	14	16	15	10
9	14	9	11	21	29	26	23	27	25	5	6	6	9	10	10	9
8	10	7	8	17	24	21	17	20	19	3	4	4	6	6	6	8
7	6	4	5	13	18	16	12	14	13	2	3	3	3	3	3	7
6	3	2	3	9	13	11	8	10	9	2	2	2	1	1	1	6
5	2	1	1	7	9	8	5	6	5	1	1	1	1	1	1	5
4	1	1	1	5	6	6	3	3	3	1	1	1	1	1	1	4
3	1	1	1	3	3	3	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	14.8	16.5	15.8	15.0	13.2	13.9	15.0	14.1	14.4	19.2	17.8	18.4	16.1	15.5	15.8	
Std. Dev	5.1	5.3	5.3	5.9	6.5	6.7	6.9	6.7	6.8	6.4	5.8	6.1	5.4	5.2	5.3	

Sample Size Men (M): 3,657; Women (W): 5,311; Total (T): 8,968

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	14	28	22	13	18	15	21	28	25	13	19	16	13	22	18	A (4)
B (3)	40	45	43	31	32	32	40	40	40	35	36	35	51	54	52	B (3)
C (2)	37	22	28	35	32	33	29	23	25	30	27	28	34	23	28	C (2)
D (1)	6	3	4	11	8	9	4	4	4	6	4	5	2	1	2	D (1)
F (0)	1	0	0	2	1	1	0	0	0	1	0	0	0	0	0	F (0)
Not Taken	2	2	2	9	10	9	6	6	6	15	15	15				Not Taken
Mean	2.61	3.01	2.85	2.47	2.64	2.57	2.82	2.96	2.91	2.65	2.80	2.74	2.53	2.85	2.76	
Std. Dev.	0.84	0.79	0.83	0.93	0.92	0.93	0.83	0.84	0.84	0.84	0.85	0.85	0.64	0.64	0.65	

Sample Size Men (M): 3,117; Women (W): 4,454; Total (T): 7,571

[a]Rounded to the nearest whole letter grade.

TABLE 2.3

ACT Score and High School Grade Norms for Students Enrolled in 4-Year Colleges

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	98	99	99	99	99	99	98	99	99	99	99	99	33
32	99	99	99	97	99	98	99	99	99	95	98	97	99	99	99	32
31	99	99	99	96	98	97	98	99	98	91	97	94	99	99	99	31
30	99	98	99	95	98	97	96	98	97	86	94	90	98	99	98	30
29	99	97	98	93	96	95	94	97	96	81	91	86	96	98	97	29
28	98	97	97	88	94	91	92	95	94	76	87	82	94	96	95	28
27	97	95	96	83	91	87	89	93	91	72	83	78	90	93	92	27
26	95	93	94	78	87	83	84	89	87	68	78	74	85	90	88	26
25	93	90	92	75	84	80	79	84	82	63	74	69	81	86	84	25
24	91	86	88	72	82	77	74	79	77	58	69	64	75	82	79	24
23	87	80	83	67	79	74	69	73	71	53	65	59	70	77	74	23
22	80	71	75	63	76	70	64	69	67	49	60	55	65	72	69	22
21	73	62	67	60	72	67	60	65	62	44	54	50	60	66	63	21
20	65	54	59	56	68	62	55	60	58	40	49	45	54	60	57	20
19	57	46	51	52	63	58	52	55	54	36	44	40	48	54	51	19
18	50	39	44	47	58	53	48	52	51	31	38	35	43	48	46	18
17	44	34	38	43	54	49	45	49	47	26	32	30	38	42	40	17
16	38	29	33	39	50	45	42	46	44	22	27	25	33	37	35	16
15	33	24	28	35	46	41	38	42	41	18	21	20	28	31	30	15
14	28	20	24	32	42	38	34	38	36	14	16	15	24	26	25	14
13	24	16	20	28	37	33	31	34	33	11	12	12	20	21	21	13
12	19	13	16	23	32	28	28	31	29	9	9	9	16	17	16	12
11	15	10	13	20	27	24	24	26	25	7	7	7	12	13	12	11
10	12	8	9	17	24	21	20	21	20	5	5	5	9	9	9	10
9	8	5	7	13	19	17	16	17	16	4	4	4	6	5	6	9
8	6	4	5	11	15	13	12	12	12	3	3	3	4	3	4	8
7	4	2	3	8	12	10	8	9	8	2[a]	2	2	2	2	2	7
6	2	1	2	5	8	7	5	6	5	1	1	1	1	1	1	6
5	1	1	1	4	6	5	3	3	3	1	1	1	1	1	1	5
4	1	1	1	3	4	4	2	2	2	1	1	1	1	1	1	4
3	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	17.3	18.7	18.1	18.5	16.3	17.3	17.9	17.1	17.4	21.9	20.3	21.0	19.0	18.2	18.6	
Std. Dev.	5.6	5.4	5.5	7.8	7.5	7.7	7.6	7.2	7.4	7.0	6.3	6.6	6.2	5.8	6.0	

Sample Size Men (M): 2,310. Women (W): 2,824. Total (T): 5,134.

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	35	43	35	22	25	24	35	42	39	24	27	26	27	36	32	**A (4)**
B (3)	43	40	41	33	32	32	38	37	37	35	36	36	50	48	49	**B (3)**
C (2)	27	15	20	30	29	29	21	16	18	26	21	23	22	15	18	**C (2)**
D (1)	4	2	3	9	6	7	2	2	2	4	3	3	1	1	1	**D (1)**
F (0)	0	0	0	1	1	1	0	0	0	1	0	0	0	0	0	**F (0)**
Not Taken	1	1	1	6	8	7	4	4	4	10	12	11				**Not Taken**
Mean	2.91	3.24	3.09	2.72	2.82	2.77	3.10	3.22	3.17	2.88	3.00	2.94	2.90	3.07	2.99	
Std. Dev.	0.83	0.78	0.82	0.95	0.93	0.94	0.83	0.80	0.82	0.88	0.83	0.86	0.68	0.65	0.67	

Sample Size Men (M): 2,079. Women (W): 2,500. Total (T): 4,574.

[a]Rounded to the nearest whole letter grade.

TABLE 2.4

ACT Score and High School Grade Norms for Students Enrolled in Master's Level Colleges

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**33**
32	99	99	99	98	99	99	99	99	99	97	99	98	99	99	99	**32**
31	99	99	99	98	99	99	99	99	99	94	98	96	99	99	99	**31**
30	99	99	99	97	99	98	98	99	98	91	96	94	99	99	99	**30**
29	99	99	99	95	98	97	96	98	97	86	93	90	98	99	98	**29**
28	99	98	98	93	96	95	94	97	96	82	90	87	96	98	97	**28**
27	98	97	97	89	94	92	91	95	93	79	87	84	94	96	95	**27**
26	97	95	96	85	91	88	87	93	90	74	84	80	90	94	92	**26**
25	96	93	94	81	89	85	83	89	86	69	80	75	86	91	89	**25**
24	94	90	91	77	86	82	79	84	82	64	75	70	82	87	85	**24**
23	90	85	87	73	84	79	74	80	77	59	71	66	77	83	80	**23**
22	85	77	81	69	81	76	69	76	73	54	66	61	71	78	75	**22**
21	78	69	73	66	78	73	65	72	69	49	60	55	66	73	70	**21**
20	70	60	65	62	74	69	60	67	64	44	54	50	60	68	64	**20**
19	63	52	57	57	70	64	56	63	60	39	49	45	54	62	58	**19**
18	56	45	50	52	65	59	53	59	56	34	43	39	48	55	52	**18**
17	49	39	43	47	60	54	49	56	53	28	37	33	42	49	46	**17**
16	43	33	37	42	55	50	45	53	49	23	31	28	36	43	40	**16**
15	37	28	31	38	51	45	42	49	46	18	23	21	31	36	33	**15**
14	31	23	26	35	47	42	38	44	42	13	17	15	25	29	28	**14**
13	25	18	21	30	41	37	34	40	37	10	13	12	20	23	22	**13**
12	20	14	17	26	35	31	30	35	33	8	9	9	15	18	17	**12**
11	16	10	13	22	30	27	26	30	28	6	7	6	11	13	12	**11**
10	12	7	9	18	26	23	20	24	22	4	5	5	8	9	8	**10**
9	8	5	6	14	21	18	15	18	17	3	3	3	5	6	5	**9**
8	5	3	4	11	17	14	11	13	12	2	2	2	3	3	3	**8**
7	3	2	3	8	13	11	8	9	8	1	1	1	2	1	2	**7**
6	2	1	1	5	8	7	5	5	5	1	1	1	1	1	1	**6**
5	1	1	1	3	6	5	3	3	3	1	1	1	1	1	1	**5**
4	1	1	1	2	4	3	2	2	2	1	1	1	1	1	1	**4**
3	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	16.7	18.1	17.5	17.6	15.3	16.3	17.2	16.0	16.5	21.2	19.6	20.2	18.3	17.4	17.8	
Std. Dev.	5.2	5.1	5.2	7.3	7.0	7.2	7.3	6.9	7.1	6.5	5.9	6.2	5.7	5.4	5.6	

Sample Size Men (M): 4,236 Women (W): 5,583 Total (T): 9,819

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	22	39	31	20	23	21	32	39	36	22	25	24	23	32	28	**A (4)**
B (3)	44	42	43	33	34	33	42	39	40	37	38	37	52	52	52	**B (3)**
C (2)	28	16	22	32	28	30	20	16	18	26	21	23	24	16	19	**C (2)**
D (1)	4	2	3	9	7	8	3	2	2	4	3	3	1	1	1	**D (1)**
F (0)	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	**F (0)**
Not Taken	1	1	1	6	8	7	3	4	4	11	13	12				**Not Taken**
Mean	2.84	3.18	3.04	2.64	2.78	2.72	3.06	3.19	3.13	2.85	2.97	2.92	2.84	3.03	2.95	
Std. Dev.	0.82	0.78	0.82	0.95	0.93	0.94	0.82	0.80	0.81	0.85	0.83	0.84	0.66	0.63	0.65	

Sample Size Men (M): 3,838 Women (W): 4,940 Total (T): 8,778

[a]Rounded to the nearest whole letter grade

TABLE 2.5

ACT Score and High School Grade Norms for Students Enrolled in PhD Level Colleges

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	98	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	97	99	98	99	99	99	97	99	98	99	99	99	**33**
32	99	99	99	95	98	97	98	99	99	93	98	96	99	99	99	**32**
31	99	99	99	94	98	96	96	98	97	88	96	92	98	99	99	**31**
30	99	98	99	92	97	94	94	97	96	81	92	87	97	98	98	**30**
29	98	97	98	88	95	91	92	96	94	75	88	81	94	97	96	**29**
28	97	96	97	82	92	87	88	94	91	69	84	76	91	95	93	**28**
27	96	94	95	75	87	81	84	91	88	64	79	72	86	92	89	**27**
26	94	91	92	69	82	76	79	87	83	58	74	66	80	87	84	**26**
25	91	87	89	63	78	71	72	81	77	52	69	61	73	82	78	**25**
24	87	83	85	59	75	67	65	75	70	46	63	55	66	77	72	**24**
23	82	75	79	54	71	63	59	69	64	41	58	50	59	71	65	**23**
22	74	66	70	50	67	58	54	64	59	36	53	45	52	64	58	**22**
21	64	56	60	45	62	54	49	59	54	31	47	39	45	57	51	**21**
20	55	47	51	40	57	49	45	54	50	27	41	34	39	51	45	**20**
19	47	38	43	35	52	44	41	50	45	23	36	29	33	45	39	**19**
18	40	32	36	30	47	39	37	46	42	19	30	24	28	39	33	**18**
17	33	26	30	27	42	34	33	42	38	15	24	20	23	33	28	**17**
16	28	22	25	23	38	30	30	38	34	12	19	16	19	27	23	**16**
15	23	18	20	20	34	27	27	35	31	9	14	12	15	22	18	**15**
14	18	14	16	18	30	24	24	31	27	6	10	8	12	17	15	**14**
13	14	11	13	15	26	21	21	27	24	5	7	6	9	13	11	**13**
12	11	9	10	12	22	17	18	23	21	3	5	4	7	10	8	**12**
11	8	6	7	10	18	14	14	19	17	2	4	3	5	7	6	**11**
10	6	5	5	8	16	12	10	15	13	2	2	2	3	5	4	**10**
9	4	3	3	6	13	10	8	11	9	1	2	1	2	3	2	**9**
8	2	2	2	5	10	7	5	8	7	1	1	1	1	2	1	**8**
7	1	1	1	3	7	5	3	5	4	1	1	1	1	1	1	**7**
6	1	1	1	2	5	3	2	3	3	1	1	1	1	1	1	**6**
5	1	1	1	1	3	2	1	2	1	1	1	1	1	1	1	**5**
4	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	**4**
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	18.8	19.7	19.3	21.3	18.3	19.8	20.0	18.3	19.1	24.0	21.5	22.7	21.1	19.6	20.3	
Std. Dev.	5.0	5.1	5.1	7.1	7.3	7.4	7.0	6.9	7.0	6.1	5.9	6.1	5.5	5.5	5.5	

Sample Size Men (M): 9,139. Women (W): 9,467. Total (T): 18,606.

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	31	46	39	28	27	28	42	48	45	30	33	32	34	40	37	**A (4)**
B (3)	45	40	43	35	36	35	38	35	36	37	37	37	49	49	49	**B (3)**
C (2)	20	12	16	26	25	25	14	12	13	21	19	20	16	11	14	**C (2)**
D (1)	3	1	2	7	6	6	2	1	2	3	2	3	1	0	1	**D (1)**
F (0)	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	**F (0)**
Not Taken	1	0	1	4	5	5	4	3	3	8	9	9				**Not Taken**
Mean	3.04	3.32	3.18	2.85	2.88	2.86	3.24	3.33	3.29	3.02	3.11	3.06	3.02	3.15	3.09	
Std. Dev.	0.81	0.73	0.79	0.95	0.92	0.94	0.79	0.76	0.78	0.85	0.82	0.84	0.66	0.61	0.64	

Sample Size Men (M): 8,593. Women (W): 8,754. Total (T): 17,347.

[a]Rounded to the nearest whole letter grade.

TABLE 2.6

ACT Score and High School Grade Norms for Students Enrolled in Hospital Schools of Nursing

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32
31	99	99	99	99	99	99	97	99	99	95	98	98	99	99	99	31
30	99	99	99	99	99	99	94	99	99	89	95	95	99	99	99	30
29	99	99	99	99	99	99	92	99	98	80	92	91	99	99	99	29
28	99	99	99	99	97	97	92	97	97	70	88	88	99	99	99	28
27	99	98	98	97	94	94	86	96	95	64	84	83	98	97	97	27
26	99	97	97	93	90	90	79	93	92	57	78	78	94	95	95	26
25	97	94	94	89	87	87	75	89	88	47	72	71	86	91	91	25
24	92	91	91	83	84	84	70	84	83	40	64	64	76	87	86	24
23	88	85	85	77	80	80	63	79	79	35	57	57	68	81	81	23
22	84	75	75	70	75	75	56	74	73	30	50	50	64	73	73	22
21	78	64	64	66	71	70	51	68	67	26	43	43	55	66	65	21
20	64	53	53	63	64	64	44	61	61	23	36	36	46	57	57	20
19	51	43	43	55	58	58	36	55	54	18	30	29	41	48	48	19
18	45	34	34	49	51	51	31	50	49	13	24	23	31	39	39	18
17	35	26	27	44	45	45	26	44	44	7	18	18	17	31	31	17
16	26	20	20	34	40	40	21	40	39	3	14	13	9	23	23	16
15	20	14	14	25	35	35	19	36	36	1	9	9	7	15	15	15
14	15	10	10	22	30	30	15	32	31	1	6	6	5	10	10	14
13	8	8	8	19	23	23	9	27	27	1	4	4	3	7	7	13
12	4	6	6	16	18	18	7	22	22	1	2	2	1	4	4	12
11	3	3	3	14	14	14	4	16	16	1	1	1	1	2	2	11
10	2	2	2	13	11	11	1	11	11	1	1	1	1	1	1	10
9	1	1	1	11	8	8	1	7	7	1	1	1	1	1	1	9
8	1	1	1	9	6	6	1	4	4	1	1	1	1	1	1	8
7	1	1	1	6	4	4	1	3	3	1	1	1	1	1	1	7
6	1	1	1	4	3	3	1	2	1	1	1	1	1	1	1	6
5	1	1	1	3	2	2	1	1	1	1	1	1	1	1	1	5
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	18.4	19.3	19.3	17.9	17.6	17.6	20.8	17.6	17.7	24.5	21.8	21.9	20.5	19.2	19.3	
Std. Dev.	3.7	4.0	4.0	5.9	6.0	6.0	5.6	5.9	5.9	4.7	5.0	5.0	3.8	4.1	4.1	

Sample Size[a] Men (M) 48 Women (W) 1,716 Total (T) 1,764

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[b]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	16	39	38	7	19	18	23	40	39	19	25	25	5	30	29	A (4)
B (3)	50	47	47	27	42	41	43	42	42	33	44	43	61	58	58	B (3)
C (2)	27	13	13	43	28	28	27	14	14	42	23	24	34	12	13	C (2)
D (1)	7	1	1	14	7	7	2	1	1	0	3	3	0	0	0	D (1)
F (0)	0	0	0	7	0	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	0	0	0	2	5	5	5	4	4	7	5	5				Not Taken
Mean	2.75	3.24	3.23	2.14	2.75	2.73	2.90	3.25	3.24	2.75	2.96	2.95	2.61	3.05	3.03	
Std. Dev.	0.80	0.70	0.71	0.98	0.87	0.87	0.78	0.73	0.74	0.77	0.80	0.80	0.57	0.57	0.57	

Sample Size[a] Men (M) 44 Women (W) 1,594 Total (T) 1,638

[a]This table is based on a 100% sample.

[b]Rounded to the nearest whole letter grade.

TABLE 2.7

ACT Score and High School Grade Norms for Students Enrolled in Public Colleges

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	98	99	99	99	99	99	98	99	99	99	99	99	**33**
32	99	99	99	97	99	98	99	99	99	95	99	97	99	99	99	**32**
31	99	99	99	96	99	97	98	99	98	91	97	94	99	99	99	**31**
30	99	99	99	95	98	96	96	98	97	86	94	91	98	99	99	**30**
29	99	98	99	92	97	94	94	97	96	81	91	86	96	98	97	**29**
28	98	97	98	87	94	91	92	96	94	76	88	82	94	97	95	**28**
27	97	96	97	82	91	87	89	94	91	71	84	78	90	95	93	**27**
26	96	94	95	77	87	83	84	91	88	66	80	74	86	92	89	**26**
25	94	91	93	72	84	79	79	86	83	61	75	69	81	88	84	**25**
24	91	88	89	69	82	76	73	81	77	56	71	64	75	83	79	**24**
23	87	82	84	64	78	72	67	76	72	51	66	59	69	78	74	**23**
22	80	73	77	60	75	68	63	71	67	46	61	54	63	73	68	**22**
21	73	64	68	57	72	65	58	67	63	41	55	49	56	67	62	**21**
20	65	56	60	52	67	60	54	63	58	36	50	43	50	61	56	**20**
19	57	48	52	47	63	56	50	58	54	32	44	39	44	55	50	**19**
18	50	41	45	42	58	51	46	55	51	27	39	33	39	49	45	**18**
17	43	35	39	38	53	46	42	51	47	23	33	28	34	44	39	**17**
16	37	30	33	34	49	42	39	47	44	19	27	23	29	38	34	**16**
15	32	26	28	31	45	38	36	44	40	15	21	18	25	32	29	**15**
14	27	22	24	28	41	35	32	40	36	11	16	13	20	27	24	**14**
13	22	18	20	24	37	31	29	36	32	9	12	10	16	22	19	**13**
12	18	14	15	20	31	26	25	32	29	6	9	8	13	17	15	**12**
11	14	10	12	17	27	22	21	27	24	5	6	6	9	12	11	**11**
10	10	8	9	14	23	19	17	22	19	3	5	4	7	9	8	**10**
9	7	5	6	11	19	15	13	17	15	2	3	3	4	5	5	**9**
8	5	3	4	9	15	12	9	12	11	2	2	2	3	3	3	**8**
7	3	2	2	6	12	9	6	8	7	1	1	1	1	2	1	**7**
6	2	1	1	4	8	6	4	5	5	1	1	1	1	1	1	**6**
5	1	1	1	3	5	4	2	3	3	1	1	1	1	1	1	**5**
4	1	1	1	2	4	3	1	2	1	1	1	1	1	1	1	**4**
3	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	17.4	18.5	18.0	19.2	16.3	17.7	18.3	16.7	17.5	22.4	20.2	21.2	19.5	18.1	18.7	
Std. Dev.	5.3	5.3	5.3	7.6	7.4	7.6	7.3	7.1	7.2	6.5	6.1	6.4	5.9	5.7	5.8	

Sample Size Men (M), 17,394; Women (W), 20,222; Total (T), 37,616

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	25	40	33	22	24	23	35	41	38	24	28	26	27	34	31	**A (4)**
B (3)	44	42	43	34	35	34	39	37	38	37	37	37	51	50	50	**B (3)**
C (2)	26	15	20	29	27	28	19	16	17	24	21	23	22	15	18	**C (2)**
D (1)	4	2	3	8	6	7	2	2	2	4	3	3	1	1	1	**D (1)**
F (0)	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	**F (0)**
Not Taken	1	1	1	5	7	6	4	4	4	10	12	11				**Not Taken**
Mean	2.90	3.21	3.06	2.72	2.80	2.76	3.12	3.21	3.17	2.90	3.00	2.96	2.90	3.05	2.98	
Std. Dev.	0.84	0.77	0.82	0.96	0.93	0.94	0.82	0.81	0.81	0.86	0.83	0.85	0.67	0.63	0.66	

Sample Size Men (M), 15,887; Women (W), 18,048; Total (T), 33,935

[a]Rounded to the nearest whole letter grade.

TABLE 2.8

ACT Score and High School Grade Norms for Students Enrolled in Private Colleges

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	98	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	97	99	98	99	99	99	97	99	98	99	99	99	33
32	99	99	99	96	99	97	98	99	99	93	98	96	99	99	99	32
31	99	99	99	94	98	96	97	98	98	88	96	93	98	99	99	31
30	98	98	98	93	97	95	95	97	96	83	93	89	96	98	97	30
29	97	97	97	89	96	93	92	96	94	76	89	84	94	97	96	29
28	97	96	96	84	93	89	88	94	91	71	85	79	91	95	93	28
27	95	94	94	78	89	84	84	91	88	67	81	75	86	92	89	27
26	93	91	92	72	85	79	79	87	83	61	76	69	80	88	85	26
25	90	88	89	68	82	76	73	82	78	56	71	64	74	84	79	25
24	87	83	84	64	79	72	67	76	72	50	66	59	68	78	74	24
23	81	76	78	59	75	68	60	70	66	45	61	54	62	73	68	23
22	73	67	70	55	72	64	55	66	61	41	56	49	56	67	62	22
21	65	57	60	51	67	60	51	61	56	36	50	44	49	61	56	21
20	56	49	52	46	63	56	46	55	52	32	45	39	44	55	50	20
19	48	41	44	42	58	51	42	51	47	28	39	35	38	49	44	19
18	41	34	37	38	53	46	39	48	44	24	34	29	33	43	38	18
17	34	28	31	34	48	42	36	44	41	20	28	24	28	37	33	17
16	29	23	26	31	43	38	33	41	37	17	23	20	24	31	28	16
15	25	19	22	27	40	34	30	38	34	13	17	15	20	26	23	15
14	21	16	18	24	36	31	27	34	31	10	12	11	17	20	19	14
13	17	13	14	21	31	27	24	30	27	8	9	9	13	16	15	13
12	13	10	11	17	26	22	21	26	24	6	7	6	10	12	11	12
11	10	7	9	14	22	19	17	22	20	5	5	5	8	9	9	11
10	7	5	6	12	19	16	14	17	16	4	4	4	6	6	6	10
9	5	4	4	10	16	13	11	13	12	3	3	3	4	4	4	9
8	4	3	3	7	12	10	8	9	9	2	2	2	3	2	2	8
7	2	2	2	6	9	8	6	6	6	1	1	1	2	1	1	7
6	1	1	1	4	6	5	4	4	4	1	1	1	1	1	1	6
5	1	1	1	3	4	4	2	3	2	1	1	1	1	1	1	5
4	1	1	1	2	3	3	1	1	1	1	1	1	1	1	1	4
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	18.6	19.5	19.1	20.1	17.3	18.5	19.5	17.9	18.6	23.1	21.0	21.9	20.5	19.1	19.7	
Std. Dev.	5.4	5.3	5.4	7.7	7.4	7.7	7.4	7.1	7.3	6.7	6.1	6.5	6.1	5.7	5.9	

Sample Size Men (M), 3,377; Women (W), 4,523; Total (T), 7,900

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	31	46	40	27	28	28	40	44	42	30	31	30	33	38	36	A (4)
B (3)	44	39	41	32	33	33	38	36	37	36	37	36	49	48	49	B (3)
C (2)	21	12	16	28	26	27	17	14	15	22	20	21	17	13	15	C (2)
D (1)	3	1	2	7	5	6	2	2	2	4	3	3	1	1	1	D (1)
F (0)	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	1	1	1	5	7	6	3	3	3	9	10	10				Not Taken
Mean	3.03	3.31	3.19	2.82	2.88	2.86	3.19	3.27	3.24	3.00	3.05	3.03	3.00	3.12	3.07	
Std. Dev.	0.81	0.75	0.78	0.96	0.92	0.94	0.80	0.78	0.79	0.87	0.84	0.85	0.67	0.64	0.65	

Sample Size Men (M), 3,107; Women (W), 4,076; Total (T), 7,183

[a]Rounded to the nearest whole letter grade

TABLE 2.9

ACT Score and High School Grade Norms for Students Enrolled in Public 2-Year Colleges

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**33**
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**32**
31	99	99	99	99	99	99	99	99	99	98	99	98	99	99	99	**31**
30	99	99	99	99	99	99	99	99	99	95	98	97	99	99	99	**30**
29	99	99	99	98	99	99	98	99	99	92	96	95	99	99	99	**29**
28	99	99	99	97	99	98	97	99	98	90	94	92	99	99	99	**28**
27	99	99	99	95	97	96	96	98	97	87	93	90	98	99	98	**27**
26	99	98	98	93	96	95	94	96	95	83	90	87	96	97	97	**26**
25	99	97	98	90	94	93	91	94	93	79	87	84	94	96	95	**25**
24	97	95	96	86	93	91	88	91	90	76	84	81	91	94	93	**24**
23	96	92	93	85	91	89	84	88	86	71	81	77	88	91	90	**23**
22	93	86	89	83	89	87	80	84	83	66	77	72	84	87	86	**22**
21	88	79	83	80	87	84	77	81	79	61	72	67	80	84	82	**21**
20	83	72	76	76	84	81	73	77	75	56	66	62	75	79	78	**20**
19	77	64	69	72	81	77	69	73	71	51	61	57	70	74	72	**19**
18	70	57	62	67	77	73	66	70	69	46	55	51	64	68	67	**18**
17	64	50	56	62	73	68	63	67	65	39	48	44	58	63	61	**17**
16	57	44	50	57	68	64	59	64	62	34	41	38	52	56	54	**16**
15	51	39	44	53	64	59	55	60	58	27	33	30	45	50	48	**15**
14	44	34	38	48	60	55	51	56	54	21	25	23	38	43	41	**14**
13	38	29	33	43	54	49	46	51	49	16	20	19	31	35	34	**13**
12	33	23	27	37	47	43	42	47	45	13	15	14	25	29	27	**12**
11	26	18	21	31	41	37	36	41	39	9	11	11	19	22	21	**11**
10	20	13	16	26	36	32	29	34	32	7	8	8	14	16	15	**10**
9	15	10	12	21	29	26	23	27	25	5	6	6	9	10	10	**9**
8	10	7	8	17	24	21	17	21	19	3	4	4	6	6	6	**8**
7	6	4	5	13	18	16	12	14	13	2	3	3	3	3	3	**7**
6	4	2	3	9	13	11	8	10	9	2	2	2	1	1	1	**6**
5	2	1	1	7	9	8	5	6	5	1	1	1	1	1	1	**5**
4	1	1	1	5	6	6	2	3	3	1	1	1	1	1	1	**4**
3	1	1	1	3	3	3	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	14.8	16.4	15.7	14.9	13.2	13.9	14.9	14.0	14.4	19.2	17.8	18.4	16.1	15.5	15.7	
Std. Dev.	5.1	5.2	5.2	6.9	6.5	6.7	6.9	6.6	6.8	6.3	5.8	6.1	5.4	5.2	5.3	

Sample Size Men (M): 3,423 Women (W): 4,832 Total (T): 8,255

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	13	28	22	12	17	15	21	27	25	13	18	16	13	22	18	**A (4)**
B (3)	40	45	43	31	33	32	40	40	40	35	36	36	50	54	53	**B (3)**
C (2)	37	22	28	35	32	33	29	23	25	31	27	28	35	23	28	**C (2)**
D (1)	7	3	4	11	7	9	4	4	4	6	4	5	2	1	2	**D (1)**
F (0)	1	0	0	2	1	1	0	0	0	1	0	0	0	0	0	**F (0)**
Not Taken	2	2	2	9	10	9	6	6	6	15	15	15				**Not Taken**
Mean	2.60	3.00	2.83	2.46	2.64	2.56	2.81	2.96	2.90	2.64	2.80	2.73	2.62	2.85	2.75	
Std. Dev.	0.84	0.79	0.83	0.93	0.92	0.93	0.84	0.84	0.84	0.84	0.84	0.85	0.64	0.64	0.65	

Sample Size Men (M): 2,922 Women (W): 4,048 Total (T): 6,970

[a]Rounded to the nearest whole letter grade

TABLE 2.10

ACT Score and High School Grade Norms for Students Enrolled in Public 4-Year Colleges

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	98	99	99	99	99	99	33
32	99	99	99	97	99	98	99	99	99	95	99	97	99	99	99	32
31	99	99	99	96	99	98	98	99	99	92	98	95	99	99	99	31
30	99	99	99	95	99	97	97	99	98	87	96	91	98	99	99	30
29	99	99	99	92	98	95	95	99	97	83	93	88	96	97	98	29
28	98	99	98	89	96	92	92	98	95	78	91	85	94	98	96	28
27	97	98	98	84	95	89	90	96	93	74	88	81	91	97	93	27
26	96	96	96	80	93	86	86	94	90	70	85	78	86	95	90	26
25	94	95	95	76	91	83	82	91	86	66	82	74	82	93	87	25
24	92	92	92	73	89	81	78	86	82	62	77	69	78	90	84	24
23	89	88	88	70	87	78	73	82	77	58	72	65	74	86	80	23
22	83	82	83	67	84	75	69	78	73	53	67	60	69	81	75	22
21	77	73	75	64	81	72	66	74	70	48	62	55	65	77	71	21
20	70	64	67	60	77	68	63	69	66	43	57	50	59	71	65	20
19	63	55	59	55	73	63	59	65	62	39	52	45	54	65	59	19
18	56	48	52	49	68	58	56	62	59	35	46	40	50	59	54	18
17	51	42	47	45	64	54	53	58	56	30	40	35	45	53	49	17
16	46	36	41	42	60	51	50	55	52	25	33	29	40	47	43	16
15	41	30	36	39	56	47	46	51	48	20	26	23	34	40	37	15
14	35	26	31	36	52	44	41	46	43	15	20	18	29	34	31	14
13	30	21	25	31	47	39	36	43	39	13	15	14	24	28	26	13
12	24	17	20	26	41	33	33	38	36	9	11	10	19	22	20	12
11	19	13	16	23	35	29	28	33	31	7	8	7	14	16	15	11
10	15	10	12	20	31	25	24	27	25	5	5	5	10	11	10	10
9	11	6	9	16	25	20	19	22	20	3	4	4	7	7	7	9
8	8	4	6	13	21	17	14	16	15	2	3	3	4	4	4	8
7	5	2	3	10	16	13	10	11	10	2	2	2	2	2	2	7
6	3	1	2	6	11	9	6	7	6	1	1	1	1	1	1	6
5	1	1	1	4	8	6	4	4	4	1	1	1	1	1	1	5
4	1	1	1	3	6	4	2	2	2	1	1	1	1	1	1	4
3	1	1	1	1	4	2	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	16.5	17.6	17.0	17.9	14.4	16.2	16.8	15.5	16.2	21.4	19.1	20.3	18.3	16.8	17.5	
Std. Dev.	5.6	5.1	5.4	7.9	7.1	7.7	7.6	6.9	7.3	6.9	6.0	6.6	6.3	5.4	5.9	

Sample Size Men (M): 716; Women (W): 668; Total (T): 1,384

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	25	35	30	22	21	22	35	37	36	23	22	23	26	29	28	A (4)
B (3)	38	42	40	32	30	31	36	37	37	34	38	36	46	50	48	B (3)
C (2)	31	20	26	30	32	31	22	19	21	28	23	26	26	20	24	C (2)
D (1)	4	2	3	9	6	8	3	2	3	4	3	3	1	1	1	D (1)
F (0)	1	0	0	0	1	1	0	0	0	1	0	0	0	0	0	F (0)
Not Taken	1	1	1	6	9	8	4	5	4	10	14	12				Not Taken
Mean	2.83	3.12	2.97	2.70	2.73	2.71	3.07	3.13	3.10	2.84	2.92	2.88	2.86	2.97	2.91	
Std. Dev.	0.88	0.79	0.85	0.95	0.92	0.94	0.86	0.82	0.84	0.89	0.81	0.85	0.71	0.65	0.68	

Sample Size Men (M): 637; Women (W): 575; Total (T): 1,212

[a]Rounded to the nearest whole letter grade

TABLE 2.11

ACT Score and High School Grade Norms for Students Enrolled in Public Master's Level Colleges

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	97	99	98	99	99	99	32
31	99	99	99	99	99	99	99	99	99	95	98	97	99	99	99	31
30	99	99	99	98	99	99	98	99	99	92	96	95	99	99	99	30
29	99	99	99	97	98	98	97	98	98	89	94	92	99	99	99	29
28	99	98	99	94	97	96	95	97	96	85	91	89	97	98	98	28
27	99	97	98	91	95	94	93	96	95	82	89	86	95	97	96	27
26	98	96	97	88	92	90	90	94	92	77	85	82	93	95	94	26
25	97	94	95	84	90	87	86	90	88	72	81	77	89	92	91	25
24	95	91	93	81	88	85	81	86	84	68	77	73	86	89	87	24
23	93	87	89	77	85	82	77	82	80	63	73	68	81	85	83	23
22	88	79	83	73	83	79	73	78	75	57	68	63	75	80	78	22
21	82	71	75	70	80	76	68	74	71	52	63	58	70	75	73	21
20	74	63	68	66	76	72	64	70	67	47	56	52	64	70	68	20
19	67	55	60	61	72	67	60	66	63	42	51	47	58	64	62	19
18	60	48	53	56	67	62	56	62	59	37	45	41	52	58	55	18
17	53	41	46	51	63	57	52	58	56	31	39	35	45	52	49	17
16	46	35	40	46	58	53	48	55	52	26	33	30	39	45	43	16
15	40	30	34	41	54	48	45	51	49	20	25	23	34	38	36	15
14	34	25	29	38	49	44	41	47	44	15	19	17	28	32	30	14
13	28	20	23	33	44	39	37	42	40	12	14	13	23	26	24	13
12	22	15	18	28	38	34	33	37	35	9	10	10	17	20	19	12
11	18	11	14	24	33	29	28	32	30	6	7	7	13	14	14	11
10	13	8	10	20	28	25	23	26	24	5	5	5	9	10	9	10
9	9	5	7	16	23	20	17	20	19	4	4	4	6	6	6	9
8	6	3	5	12	19	16	12	15	14	3	2	2	3	3	3	8
7	4	2	3	9	14	12	9	10	9	2	1	2	2	2	2	7
6	2	1	2	6	9	8	6	6	6	1	1	1	1	1	1	6
5	1	1	1	4	6	5	3	3	3	1	1	1	1	1	1	5
4	1	1	1	3	4	4	2	2	2	1	1	1	1	1	1	4
3	1	1	1	1	3	2	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	16.2	17.7	17.1	16.9	14.8	15.7	16.6	15.6	16.0	20.6	19.2	19.8	17.7	17.0	17.3	
Std. Dev.	5.1	5.1	5.2	7.1	6.9	7.1	7.1	6.8	7.0	6.4	5.9	6.2	5.6	5.3	5.4	

Sample Size Men (M): 3,471; Women (W): 4,623; Total (T): 8,094

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	20	37	30	18	22	20	30	38	34	20	24	22	21	31	27	A (4)
B (3)	44	42	43	33	34	34	42	39	40	37	37	37	52	52	52	B (3)
C (2)	30	17	23	33	28	30	21	17	19	27	22	24	26	16	21	C (2)
D (1)	4	2	3	9	7	8	3	2	3	4	3	3	1	1	1	D (1)
F (0)	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	1	1	1	6	8	7	4	4	4	11	14	13				Not Taken
Mean	2.79	3.16	3.00	2.61	2.76	2.69	3.02	3.17	3.11	2.81	2.96	2.89	2.80	3.01	2.92	
Std. Dev.	0.82	0.79	0.82	0.94	0.93	0.94	0.82	0.81	0.81	0.84	0.83	0.84	0.65	0.64	0.65	

Sample Size Men (M): 3,120; Women (W): 4,067; Total (T): 7,187

[a]Rounded to the nearest whole letter grade.

TABLE 2.12

ACT Score and High School Grade Norms for Students Enrolled in Public PhD Level Colleges

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	98	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	97	99	98	99	99	99	97	99	98	99	99	99	**33**
32	99	99	99	96	99	97	98	99	99	93	98	96	99	99	99	**32**
31	99	99	99	94	96	96	97	99	98	88	96	92	99	99	99	**31**
30	99	99	99	92	97	95	95	98	96	82	93	87	97	99	98	**30**
29	98	97	98	88	95	92	92	96	94	76	88	82	95	97	96	**29**
28	98	96	97	83	92	87	89	94	92	70	84	77	91	95	93	**28**
27	96	94	95	76	88	82	85	92	89	65	80	73	87	92	90	**27**
26	95	92	93	70	83	77	80	87	84	59	75	67	81	88	85	**26**
25	92	88	90	64	79	72	74	82	78	53	70	62	74	83	79	**25**
24	88	83	86	60	76	68	67	76	71	48	64	56	67	78	73	**24**
23	83	76	80	55	72	64	60	70	65	42	59	51	61	72	66	**23**
22	75	67	71	51	67	59	55	65	60	37	54	46	54	65	60	**22**
21	66	57	61	47	63	55	51	61	56	32	48	40	47	59	53	**21**
20	57	48	52	42	58	50	46	56	51	28	42	35	40	52	47	**20**
19	49	40	44	36	53	45	42	51	47	23	37	30	35	46	41	**19**
18	41	33	37	31	48	40	38	47	43	19	31	25	29	40	35	**18**
17	35	28	31	28	43	35	35	43	39	16	25	20	24	34	29	**17**
16	29	23	26	24	39	31	31	40	35	12	20	16	20	28	24	**16**
15	24	19	21	21	35	28	28	36	32	9	15	12	16	23	19	**15**
14	19	15	17	18	31	25	25	32	28	7	11	9	12	18	15	**14**
13	15	12	14	16	27	21	21	28	25	5	8	6	9	14	12	**13**
12	12	9	10	13	22	18	18	24	21	4	6	5	7	10	9	**12**
11	9	7	8	10	19	15	15	20	17	3	4	3	5	7	6	**11**
10	6	5	5	8	16	12	11	15	13	2	3	2	3	5	4	**10**
9	4	3	4	7	13	10	8	12	10	1	2	2	2	3	3	**9**
8	2	2	2	5	11	8	6	8	7	1	1	1	1	2	1	**8**
7	1	1	1	4	8	6	4	5	5	1	1	1	1	1	1	**7**
6	1	1	1	2	5	4	2	3	3	1	1	1	1	1	1	**6**
5	1	1	1	1	3	2	1	2	2	1	1	1	1	1	1	**5**
4	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	**4**
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	18.6	19.6	19.1	21.1	18.1	19.6	19.6	18.1	18.9	23.8	21.4	22.5	20.9	19.4	20.1	
Std. Dev.	5.0	5.1	5.1	7.1	7.3	7.4	7.0	6.9	7.0	6.1	5.9	6.1	5.5	5.5	5.5	

Sample Size Men (M): 8,365. Women (W): 8,695. Total (T): 17,060

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	30	45	37	27	27	27	41	47	44	29	32	31	32	39	35	**A (4)**
B (3)	45	41	43	35	36	35	38	35	37	37	37	37	50	49	50	**B (3)**
C (2)	21	12	17	26	26	26	15	13	14	22	19	20	17	12	14	**C (2)**
D (1)	3	1	2	7	6	7	2	2	2	4	2	3	1	0	1	**D (1)**
F (0)	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	**F (0)**
Not Taken	1	0	1	4	5	5	4	3	3	8	10	9				**Not Taken**
Mean	3.01	3.30	3.16	2.92	2.86	2.84	3.23	3.31	3.27	3.00	3.09	3.04	3.00	3.13	3.07	
Std. Dev.	0.81	0.74	0.79	0.95	0.93	0.94	0.79	0.77	0.78	0.86	0.82	0.84	0.66	0.61	0.64	

Sample Size Men (M): 7,851. Women (W): 8,026. Total (T): 15,877

[a]Rounded to the nearest whole letter grade

TABLE 2.13

ACT Score and High School Grade Norms for Students Enrolled in Private 2-Year Colleges

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**33**
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**32**
31	99	99	99	99	99	99	99	99	99	96	99	98	99	99	99	**31**
30	99	99	99	99	99	99	98	99	99	92	99	96	99	99	99	**30**
29	99	99	99	98	99	99	98	99	99	89	97	94	99	99	99	**29**
28	99	99	99	97	99	98	97	98	98	86	94	92	99	99	99	**28**
27	99	97	98	94	97	96	95	97	96	83	91	89	97	98	98	**27**
26	98	96	97	91	95	94	92	95	94	78	88	85	93	96	95	**26**
25	97	94	95	88	93	91	88	93	91	73	84	80	89	94	92	**25**
24	96	92	93	84	91	89	82	89	87	70	80	76	86	90	89	**24**
23	93	87	89	81	89	86	77	84	81	66	77	73	82	87	85	**23**
22	88	81	83	78	86	83	72	80	77	60	73	69	78	84	82	**22**
21	82	73	76	73	84	80	69	77	75	55	69	64	73	79	77	**21**
20	77	66	70	69	80	77	67	73	71	50	64	60	67	74	72	**20**
19	71	59	64	65	76	72	64	69	68	43	59	54	61	70	67	**19**
18	63	52	56	60	71	68	61	66	64	38	52	47	55	65	62	**18**
17	57	46	49	57	68	64	57	62	60	34	45	41	50	59	56	**17**
16	51	40	44	53	63	60	54	58	56	30	38	36	45	53	50	**16**
15	47	35	38	49	59	56	51	54	53	26	30	29	41	46	44	**15**
14	41	29	33	44	56	52	47	50	49	22	22	22	37	38	38	**14**
13	35	24	28	40	51	47	44	46	45	19	17	18	31	30	30	**13**
12	29	18	22	36	44	41	39	41	41	16	13	14	25	24	24	**12**
11	22	14	16	32	38	36	34	35	35	13	9	10	20	18	18	**11**
10	16	10	12	27	34	31	26	27	27	10	7	8	15	12	13	**10**
9	11	8	9	22	28	26	20	21	21	7	6	6	9	8	8	**9**
8	9	6	7	18	22	21	16	16	16	5	4	4	7	5	6	**8**
7	6	4	5	14	17	16	13	12	12	3	3	3	4	3	3	**7**
6	3	3	3	10	11	11	10	8	9	2	2	2	2	2	2	**6**
5	1	2	1	7	8	8	7	4	5	1	1	1	1	1	1	**5**
4	1	1	1	5	6	5	5	2	3	1	1	1	1	1	1	**4**
3	1	1	1	3	3	3	2	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	15.6	17.2	16.7	15.6	13.8	14.4	15.6	14.9	15.2	19.8	18.3	18.8	18.8	16.2	16.4	
Std. Dev.	5.3	5.5	5.4	7.4	6.7	7.0	7.5	6.7	7.0	6.9	5.9	6.3	5.9	5.3	5.6	

Sample Size Men (M) 234; Women (W) 479; Total (T) 713

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	17	35	30	15	20	19	24	30	28	18	22	20	18	27	24	**A (4)**
B (3)	42	42	42	37	30	32	45	40	42	35	33	33	55	48	50	**B (3)**
C (2)	34	19	24	32	31	31	24	21	22	28	26	27	24	23	24	**C (2)**
D (1)	4	2	3	7	9	9	2	5	4	6	5	6	3	1	2	**D (1)**
F (0)	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	**F (0)**
Not Taken	2	1	2	7	9	8	5	3	4	13	14	14				**Not Taken**
Mean	2.73	3.12	3.00	2.61	2.66	2.64	2.94	2.98	2.97	2.74	2.83	2.80	2.76	2.89	2.85	
Std. Dev.	0.81	0.79	0.82	0.92	0.95	0.94	0.78	0.88	0.85	0.87	0.88	0.87	0.66	0.67	0.67	

Sample Size Men (M) 195; Women (W) 406; Total (T) 601

[a]Rounded to the nearest whole letter grade

TABLE 2.14

ACT Score and High School Grade Norms for Students Enrolled in Private 4-Year Colleges

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	98	99	99	99	99	99	97	99	98	99	99	99	**33**
32	99	99	99	97	99	98	99	99	99	95	98	97	99	99	99	**32**
31	99	99	99	96	98	97	98	99	98	91	96	94	99	99	99	**31**
30	99	98	98	95	97	96	96	98	97	86	94	90	98	98	98	**30**
29	98	97	98	93	96	95	94	96	95	80	90	86	96	97	97	**29**
28	98	96	97	88	93	91	92	94	93	75	86	82	94	95	95	**28**
27	97	94	95	83	90	87	88	91	90	72	82	77	90	92	91	**27**
26	95	92	93	78	85	82	83	87	85	67	76	72	85	89	87	**26**
25	93	89	91	74	82	79	78	82	80	62	71	67	80	84	82	**25**
24	90	84	87	71	80	76	72	76	75	57	67	63	74	79	77	**24**
23	86	78	81	66	77	72	67	71	69	51	62	58	69	74	72	**23**
22	79	68	73	62	73	68	62	67	65	47	57	53	63	69	66	**22**
21	71	59	64	58	69	65	57	62	60	43	52	48	57	63	61	**21**
20	62	51	56	54	65	60	52	57	55	38	46	43	51	57	55	**20**
19	54	43	48	50	60	56	48	52	51	34	41	38	45	50	48	**19**
18	47	37	41	46	55	51	45	50	47	29	36	33	40	45	42	**18**
17	40	31	35	42	51	47	41	46	44	25	30	28	35	39	37	**17**
16	35	26	30	37	47	43	38	43	41	21	25	23	30	34	32	**16**
15	30	22	26	32	43	39	35	40	38	17	19	19	26	29	27	**15**
14	25	19	22	30	39	35	31	36	34	13	14	14	21	24	23	**14**
13	21	15	18	26	34	31	28	32	30	11	11	11	17	20	19	**13**
12	17	12	14	22	29	26	25	28	27	8	8	8	14	15	15	**12**
11	14	9	11	18	25	22	22	24	23	7	6	6	11	11	11	**11**
10	10	7	8	15	22	19	18	19	19	5	5	5	8	8	8	**10**
9	7	5	6	12	17	15	15	15	15	4	4	4	6	5	5	**9**
8	5	4	4	10	14	12	11	11	11	3	3	3	4	3	3	**8**
7	4	2	3	7	10	9	7	8	8	2	2	2	2	2	2	**7**
6	2	1	2	5	7	6	5	5	5	1	1	1	1	1	1	**6**
5	1	1	1	4	5	5	3	3	3	1	1	1	1	1	1	**5**
4	1	1	1	3	4	3	2	2	2	1	1	1	1	1	1	**4**
3	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	17.7	19.1	18.5	18.7	16.8	17.6	18.4	17.5	17.9	22.1	20.7	21.3	19.4	18.7	19.0	
Std. Dev.	5.5	5.4	5.5	7.7	7.5	7.6	7.5	7.3	7.4	7.0	6.3	6.6	6.1	5.9	6.0	

Sample Size Men (M): 1,594 Women (W): 2,156 Total (T): 3,750

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	26	45	37	23	27	25	36	43	40	25	29	27	27	38	33	**A (4)**
B (3)	46	39	42	33	32	32	39	36	37	36	36	36	51	48	49	**B (3)**
C (2)	24	13	18	30	28	29	23	14	17	25	21	22	20	14	17	**C (2)**
D (1)	3	2	2	8	6	7	3	2	2	4	3	3	1	1	1	**D (1)**
F (0)	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	**F (0)**
Not Taken	1	1	1	6	8	7	3	4	4	10	12	11				**Not Taken**
Mean	2.94	3.28	3.13	2.72	2.85	2.79	3.11	3.25	3.19	2.90	3.02	2.97	2.91	3.09	3.02	
Std. Dev.	0.80	0.77	0.80	0.96	0.93	0.94	0.82	0.80	0.81	0.88	0.84	0.86	0.66	0.65	0.66	

Sample Size Men (M): 1,442 Women (W): 1,925 Total (T): 3,367

[a]Rounded to the nearest whole letter grade

TABLE 2.15

ACT Score and High School Grade Norms for Students Enrolled in Private Master's Level Colleges

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	98	99	99	99	99	99	98	99	99	99	99	99	**34**
33	99	99	99	97	99	98	99	99	99	96	99	98	99	99	99	**33**
32	99	99	99	95	99	98	98	99	99	93	98	96	99	99	99	**32**
31	99	99	99	94	99	97	97	99	98	88	96	93	98	99	99	**31**
30	98	98	98	92	98	95	95	98	96	83	93	89	96	99	98	**30**
29	98	97	97	89	96	93	92	96	94	76	89	83	94	97	96	**29**
28	97	96	96	84	93	89	88	94	92	70	85	78	91	95	93	**28**
27	95	94	94	77	89	84	84	92	88	66	81	74	85	92	89	**27**
26	93	91	92	71	85	79	78	88	83	60	76	69	79	88	84	**26**
25	90	87	88	65	82	75	72	82	78	54	71	64	72	84	79	**25**
24	86	82	84	61	79	71	66	77	72	48	66	58	66	80	73	**24**
23	80	76	78	55	75	66	59	72	66	43	61	53	59	74	68	**23**
22	72	68	70	51	72	62	53	66	60	39	55	48	53	68	61	**22**
21	63	58	60	47	68	59	48	60	55	34	50	43	47	62	55	**21**
20	54	48	51	42	63	54	44	55	50	29	45	38	41	56	49	**20**
19	45	40	42	38	58	49	40	51	46	25	40	33	36	50	43	**19**
18	37	32	35	33	53	44	37	47	43	21	31	28	30	43	37	**18**
17	31	26	28	30	47	40	34	44	39	17	27	23	26	36	32	**17**
16	25	21	23	27	42	35	31	41	36	13	22	18	21	30	26	**16**
15	21	17	19	24	38	31	27	37	33	9	15	12	17	23	20	**15**
14	18	13	15	21	33	28	24	33	29	6	9	8	13	17	15	**14**
13	13	10	12	17	28	24	21	29	25	5	7	6	9	12	11	**13**
12	10	8	9	14	23	19	18	24	21	4	5	4	6	9	8	**12**
11	7	6	6	12	19	16	14	20	18	3	3	3	5	6	6	**11**
10	5	4	5	9	16	13	11	15	13	2	3	2	3	4	4	**10**
9	3	3	3	7	13	11	8	11	10	1	2	2	2	2	2	**9**
8	2	1	2	5	11	8	6	7	7	1	1	1	1	1	1	**8**
7	1	1	1	4	8	6	4	4	4	1	1	1	1	1	1	**7**
6	1	1	1	2	6	4	3	3	3	1	1	1	1	1	1	**6**
5	1	1	1	2	4	3	2	2	2	1	1	1	1	1	1	**5**
4	1	1	1	1	3	2	1	1	1	1	1	1	1	1	1	**4**
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	19.1	19.7	19.4	20.9	17.5	19.0	19.9	18.0	18.9	23.6	21.1	22.3	21.0	19.2	20.0	
Std. Dev.	5.1	4.9	5.0	7.4	7.1	7.4	7.1	6.9	7.0	6.2	5.9	6.2	5.6	5.3	5.5	

Sample Size Men (M): 765. Women (W): 960. Total (T): 1,725.

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	31	45	39	28	28	28	41	44	43	30	30	30	32	36	34	**A (4)**
B (3)	45	42	44	30	34	32	39	37	38	36	40	38	49	52	51	**B (3)**
C (2)	21	12	16	30	27	28	16	14	15	22	18	20	18	12	14	**C (2)**
D (1)	2	1	2	7	5	6	2	1	2	3	3	3	1	0	1	**D (1)**
F (0)	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	**F (0)**
Not Taken	1	1	1	4	5	5	2	4	3	8	8	8				**Not Taken**
Mean	3.05	3.32	3.19	2.79	2.87	2.83	3.21	3.29	3.25	3.21	3.06	3.04	3.00	3.12	3.07	
Std. Dev.	0.80	0.71	0.76	0.98	0.93	0.96	0.79	0.75	0.77	0.84	0.83	0.83	0.67	0.61	0.64	

Sample Size Men (M): 718. Women (W): 873. Total (T): 1,591.

[a]Rounded to the nearest whole letter grade.

TABLE 2.16

ACT Score and High School Grade Norms for Students Enrolled in Private PhD Level Colleges

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	98	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	97	99	98	99	99	99	98	99	98	99	99	99	**34**
33	99	99	99	94	98	96	98	99	99	94	98	96	99	99	99	**33**
32	99	99	99	91	97	94	96	98	97	89	96	92	98	99	99	**32**
31	98	98	98	88	96	92	93	96	95	81	93	87	96	98	97	**31**
30	97	95	96	86	94	90	90	93	92	72	89	80	92	96	94	**30**
29	95	93	94	80	91	85	85	91	88	64	82	73	88	94	91	**29**
28	93	91	92	72	86	79	78	88	83	57	77	67	82	90	86	**28**
27	91	88	89	64	81	72	73	84	78	52	71	61	75	85	80	**27**
26	88	84	86	56	75	65	67	78	72	45	64	55	67	79	73	**26**
25	84	78	81	51	69	60	59	71	65	40	58	49	59	72	66	**25**
24	78	72	75	46	65	55	51	64	57	34	52	43	52	65	58	**24**
23	70	64	67	40	61	50	44	57	50	29	46	37	45	58	51	**23**
22	59	52	56	36	56	46	40	51	45	24	41	32	37	50	44	**22**
21	48	41	45	31	50	41	35	45	40	20	35	28	29	43	36	**21**
20	39	31	35	26	44	35	30	40	35	17	30	24	23	36	29	**20**
19	31	23	27	22	38	30	26	35	30	14	25	19	18	29	23	**19**
18	24	17	20	19	33	26	23	31	27	11	20	15	14	24	19	**18**
17	19	12	15	16	29	22	20	28	24	8	15	12	11	19	15	**17**
16	15	8	12	14	24	19	18	25	21	7	11	9	9	14	12	**16**
15	12	6	9	12	21	16	15	22	19	5	8	6	6	10	8	**15**
14	9	4	7	9	19	14	13	19	16	3	5	4	5	6	5	**14**
13	6	3	5	7	16	11	11	17	14	2	3	2	3	4	4	**13**
12	4	2	3	5	13	9	9	14	12	1	2	2	2	3	3	**12**
11	3	1	2	4	11	7	7	11	9	1	1	1	2	2	2	**11**
10	2	1	1	3	9	6	5	7	6	1	1	1	1	1	1	**10**
9	1	1	1	3	7	5	3	5	4	1	1	1	1	1	1	**9**
8	1	1	1	2	5	3	2	3	3	1	1	1	1	1	1	**8**
7	1	1	1	1	3	2	1	2	2	1	1	1	1	1	1	**7**
6	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	**6**
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**5**
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**4**
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	20.8	21.9	21.3	23.8	20.6	22.2	22.6	20.8	21.7	25.8	23.3	24.5	23.4	21.7	22.6	
Std. Dev.	4.7	4.4	4.6	6.6	6.9	6.9	6.5	6.6	6.6	5.6	5.5	5.7	5.0	5.0	5.0	

Sample Size Men (M): 774; Women (W): 772; Total (T): 1,546

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	44	60	52	40	37	39	53	58	55	42	42	42	49	52	50	**A (4)**
B (3)	41	33	37	32	37	35	33	32	33	34	36	35	42	44	43	**B (3)**
C (2)	12	6	9	22	19	21	9	7	8	15	13	14	9	4	7	**C (2)**
D (1)	1	1	1	3	3	3	2	0	1	2	1	2	0	0	0	**D (1)**
F (0)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**F (0)**
Not Taken	1	0	0	2	4	3	3	2	3	7	7	7				**Not Taken**
Mean	3.29	3.53	3.41	3.12	3.13	3.12	3.41	3.51	3.46	3.25	3.28	3.27	3.25	3.35	3.30	
Std. Dev.	0.75	0.64	0.70	0.88	0.83	0.86	0.75	0.65	0.70	0.80	0.76	0.78	0.62	0.53	0.58	

Sample Size Men (M): 742; Women (W): 728; Total (T): 1,470

[a]Rounded to the nearest whole letter grade

TABLE 2.17

ACT Score and High School Grade Norms for Students Enrolled in West Coast Region Colleges

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**33**
32	99	99	99	99	99	99	99	99	99	96	99	98	99	99	99	**32**
31	99	99	99	98	99	99	98	99	99	92	98	95	99	99	99	**31**
30	99	99	99	96	99	98	97	99	98	87	95	92	99	99	99	**30**
29	99	98	99	94	99	97	95	98	97	81	92	87	98	99	99	**29**
28	99	98	98	90	98	95	93	97	95	76	89	83	96	98	97	**28**
27	98	97	97	86	96	92	89	95	93	72	86	80	92	97	95	**27**
26	96	94	95	82	93	88	84	92	88	67	82	76	87	94	91	**26**
25	95	92	93	77	90	84	78	88	84	62	78	71	81	91	86	**25**
24	93	90	91	72	88	81	74	84	79	58	74	67	76	87	82	**24**
23	89	86	87	67	86	78	69	79	75	53	70	63	71	83	78	**23**
22	83	80	81	62	83	74	64	75	70	48	66	58	65	79	73	**22**
21	76	71	74	58	80	71	60	70	66	43	60	53	59	75	68	**21**
20	68	62	65	53	77	67	56	65	61	39	54	47	53	69	62	**20**
19	59	53	56	49	73	63	51	61	57	34	49	43	48	63	56	**19**
18	51	45	48	46	67	58	47	58	53	30	43	37	43	56	51	**18**
17	44	38	41	43	62	54	44	55	50	25	37	32	38	49	44	**17**
16	39	31	35	39	57	49	41	51	47	21	31	27	33	41	37	**16**
15	33	27	29	35	52	45	38	47	43	17	24	21	28	35	32	**15**
14	27	22	24	31	49	41	35	43	40	13	17	15	23	29	27	**14**
13	23	18	20	27	44	37	31	40	36	10	13	12	18	23	21	**13**
12	18	14	16	24	37	32	27	35	32	7	9	9	14	19	16	**12**
11	14	11	13	20	32	27	22	29	26	6	7	6	11	13	12	**11**
10	11	9	10	16	27	22	18	23	21	4	5	5	8	9	8	**10**
9	8	6	7	13	21	18	14	18	16	3	4	3	5	6	5	**9**
8	5	5	5	10	17	14	10	13	12	2	3	2	2	4	3	**8**
7	3	3	3	8	12	10	7	9	8	2	2	2	1	2	2	**7**
6	2	2	2	5	8	6	5	6	6	1	1	1	1	1	1	**6**
5	1	1	1	3	5	4	3	4	4	1	1	1	1	1	1	**5**
4	1	1	1	2	4	3	1	3	2	1	1	1	1	1	1	**4**
3	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	17.2	18.0	17.6	18.4	14.9	16.4	18.0	16.1	16.9	22.0	19.6	20.6	19.0	17.3	18.0	
Std. Dev.	5.2	5.3	5.3	7.5	6.7	7.3	7.4	7.0	7.2	6.7	6.1	6.5	5.9	5.4	5.7	

Sample Size Men (M): 633; Women (W): 835; Total (T): 1,468

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	26	39	33	22	22	22	36	40	38	24	25	25	26	31	28	**A (4)**
B (3)	43	42	42	31	30	30	38	35	36	38	36	37	53	51	52	**B (3)**
C (2)	26	16	20	34	32	33	20	19	19	26	24	25	21	18	19	**C (2)**
D (1)	3	2	3	7	7	7	2	3	3	2	4	3	1	1	1	**D (1)**
F (0)	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	**F (0)**
Not Taken	2	1	2	5	8	7	5	3	4	10	10	10				**Not Taken**
Mean	2.92	3.20	3.08	2.70	2.71	2.71	3.13	3.15	3.14	2.93	2.93	2.93	2.91	2.99	2.96	
Std. Dev.	0.83	0.78	0.81	0.93	0.94	0.94	0.80	0.85	0.83	0.82	0.85	0.84	0.64	0.65	0.65	

Sample Size Men (M): 571; Women (W): 739; Total (T): 1,310

[a]Rounded to the nearest whole letter grade

TABLE 2.18

ACT Score and High School Grade Norms for Students Enrolled in Rocky Mountains/Great Plains Region Colleges

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	98	99	99	99	99	99	97	99	98	99	99	99	33
32	99	99	99	97	99	98	99	99	99	94	98	96	99	99	99	32
31	99	99	99	96	98	97	97	99	98	90	96	93	99	99	99	31
30	99	99	99	94	97	95	96	98	97	85	93	89	98	99	98	30
29	99	98	98	90	95	93	94	96	95	78	89	84	96	97	97	29
28	98	97	98	86	93	89	91	95	93	72	85	79	93	96	94	28
27	97	95	96	80	90	85	88	93	90	67	81	74	89	93	91	27
26	96	93	94	74	85	80	83	89	86	62	77	70	84	89	87	26
25	94	90	92	69	82	76	77	84	81	56	72	64	78	85	82	25
24	91	86	88	65	79	72	70	78	74	51	66	59	72	80	76	24
23	86	80	83	60	75	68	64	72	68	45	61	53	65	75	70	23
22	79	70	75	56	72	64	59	67	63	40	56	49	58	68	63	22
21	71	60	65	52	68	60	55	63	59	36	51	43	52	62	57	21
20	63	50	56	47	63	56	50	57	54	31	44	38	46	56	51	20
19	54	42	48	43	58	51	45	53	49	27	38	33	40	50	45	19
18	46	35	40	38	53	46	42	50	46	22	31	27	35	43	39	18
17	40	30	34	33	48	41	39	46	42	18	25	22	30	37	34	17
16	34	25	29	29	43	37	35	42	39	14	21	18	25	31	28	16
15	28	20	24	26	39	33	32	38	35	10	16	13	20	25	23	15
14	23	17	20	23	35	29	28	34	31	7	11	9	16	20	18	14
13	18	13	15	20	30	25	24	29	27	5	8	7	12	15	13	13
12	14	9	11	17	25	21	21	26	24	4	6	5	9	11	10	12
11	10	6	8	14	21	18	17	22	20	3	4	4	6	7	7	11
10	7	4	6	12	18	15	13	17	15	2	3	3	4	5	5	10
9	5	3	4	9	14	12	10	12	11	2	2	2	3	3	3	9
8	4	2	3	7	11	9	7	9	8	1	1	1	2	1	2	8
7	2	1	2	5	8	6	4	6	5	1	1	1	1	1	1	7
6	1	1	1	3	5	4	3	3	3	1	1	1	1	1	1	6
5	1	1	1	2	3	3	2	2	2	1	1	1	1	1	1	5
4	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	4
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	17.9	19.3	18.6	20.0	17.4	18.7	19.1	17.7	18.4	23.3	21.1	22.2	20.2	19.0	19.6	
Std. Dev.	5.0	5.0	5.1	7.4	7.2	7.4	7.1	6.9	7.0	6.2	5.9	6.2	5.6	5.4	5.5	

Sample Size Men (M) 2,810; Women (W) 3,055; Total (T) 5,865

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	31	48	39	25	26	26	39	45	42	28	32	30	31	39	35	A (4)
B (3)	42	38	40	35	35	35	39	37	38	37	35	36	51	48	49	B (3)
C (2)	23	13	18	27	26	27	17	14	15	22	20	21	18	12	15	C (2)
D (1)	3	1	2	7	5	6	2	2	2	3	3	3	1	1	1	D (1)
F (0)	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	1	1	1	5	7	6	3	3	3	9	10	10				Not Taken
Mean	3.01	3.32	3.17	2.81	2.87	2.84	3.19	3.27	3.23	2.99	3.07	3.03	3.00	3.13	3.07	
Std. Dev.	0.82	0.75	0.80	0.94	0.90	0.92	0.79	0.79	0.79	0.84	0.84	0.85	0.65	0.63	0.64	

Sample Size Men (M) 2,606; Women (W) 2,770; Total (T) 5,376

[a]Rounded to the nearest whole letter grade

TABLE 2.19

ACT Score and High School Grade Norms for Students Enrolled in Southwest Region Colleges

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**33**
32	99	99	99	99	99	99	99	99	99	97	99	98	99	99	99	**32**
31	99	99	99	98	99	99	98	99	99	94	99	97	99	99	99	**31**
30	99	99	99	97	99	98	97	99	98	91	97	94	98	99	99	**30**
29	99	99	99	95	98	97	95	98	97	86	94	91	97	99	98	**29**
28	98	98	98	93	97	95	94	97	96	82	92	88	95	98	97	**28**
27	97	97	97	90	96	93	91	96	94	79	90	85	93	97	95	**27**
26	96	96	96	87	94	91	89	94	91	74	86	81	90	95	93	**26**
25	95	94	94	83	92	88	85	91	88	70	83	77	87	92	90	**25**
24	93	90	91	80	90	85	80	87	84	66	80	74	83	89	86	**24**
23	90	86	88	77	87	83	75	83	80	61	75	69	78	86	83	**23**
22	85	79	82	73	84	79	71	80	76	56	71	64	73	82	78	**22**
21	79	71	74	70	81	76	67	76	72	51	66	59	68	77	73	**21**
20	72	63	67	66	77	72	63	71	67	46	61	54	63	72	68	**20**
19	65	55	59	61	73	68	59	67	64	42	56	50	58	66	62	**19**
18	57	48	52	57	69	64	56	65	61	36	49	44	51	61	57	**18**
17	51	42	46	52	65	59	52	61	57	31	43	37	45	55	51	**17**
16	45	37	40	48	60	55	48	57	53	27	37	32	40	49	45	**16**
15	39	32	35	44	56	51	45	54	50	22	29	26	35	42	39	**15**
14	34	28	31	41	53	47	41	50	46	17	22	20	30	36	33	**14**
13	30	23	26	36	47	42	37	46	42	14	18	16	25	30	28	**13**
12	25	18	21	31	41	37	34	42	38	11	13	12	21	25	23	**12**
11	21	14	17	27	36	32	29	36	33	8	10	9	16	19	18	**11**
10	16	11	13	23	32	28	24	30	27	6	7	7	12	13	13	**10**
9	12	8	9	18	26	23	19	24	22	5	5	5	9	9	9	**9**
8	8	5	7	15	21	18	14	18	17	4	4	4	5	5	5	**8**
7	5	3	4	11	16	14	10	13	12	3	3	3	3	3	3	**7**
6	3	2	2	7	11	9	6	9	8	2	2	2	1	1	1	**6**
5	1	1	1	5	8	7	4	5	5	1	1	1	1	1	1	**5**
4	1	1	1	4	6	5	2	3	3	1	1	1	1	1	1	**4**
3	1	1	1	2	3	3	1	2	1	1	1	1	1	1	1	**3**
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	16.3	17.5	17.0	16.6	14.3	15.3	16.7	15.0	15.7	20.7	18.6	19.5	17.7	16.5	17.0	
Std. Dev.	5.7	5.5	5.6	7.6	6.9	7.3	7.5	7.0	7.3	6.8	6.1	6.5	6.1	5.6	5.9	

Sample Size Men (M): 2,611 Women (W): 3,258 Total (T): 5,869

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	26	41	34	21	24	23	35	41	39	24	27	26	27	35	31	**A (4)**
B (3)	39	40	39	33	34	33	37	35	36	35	37	36	47	49	48	**B (3)**
C (2)	27	15	21	30	26	28	19	16	17	25	20	22	24	15	19	**C (2)**
D (1)	5	2	3	9	7	8	3	2	2	4	3	4	2	1	1	**D (1)**
F (0)	0	0	0	1	1	1	0	0	0	1	0	0	0	0	0	**F (0)**
Not Taken	2	2	2	6	8	7	6	7	6	12	13	12				**Not Taken**
Mean	2.87	3.22	3.06	2.69	2.80	2.75	3.11	3.23	3.18	2.88	3.02	2.95	2.87	3.07	2.98	
Std. Dev.	0.88	0.79	0.85	0.97	0.94	0.95	0.83	0.80	0.82	0.89	0.83	0.86	0.71	0.64	0.68	

Sample Size Men (M): 2,315 Women (W): 2,835 Total (T): 5,150

[a]Rounded to the nearest whole letter grade

TABLE 2.20

ACT Score and High School Grade Norms for Students Enrolled in Midwest Region Colleges

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	98	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	97	99	98	99	99	99	97	99	98	99	99	99	33
32	99	99	99	95	98	97	98	99	99	93	98	96	99	99	99	32
31	99	99	99	94	98	96	97	99	98	88	95	92	99	99	99	31
30	99	98	99	92	97	95	95	98	97	82	92	87	97	99	98	30
29	98	97	98	88	95	92	93	96	94	75	88	82	95	97	96	29
28	98	96	97	82	91	87	89	94	92	70	84	77	91	95	93	28
27	96	94	95	75	86	81	85	91	88	64	79	72	87	92	89	27
26	95	92	93	69	81	75	80	86	83	58	73	66	81	87	84	26
25	92	88	90	63	77	71	73	80	77	52	67	61	74	82	79	25
24	89	83	86	59	74	67	66	74	70	47	62	55	67	76	72	24
23	83	76	79	54	70	63	59	68	64	41	56	49	60	70	65	23
22	75	66	70	50	66	58	54	62	58	36	50	44	53	63	58	22
21	66	55	60	46	61	54	49	56	54	31	44	38	45	55	51	21
20	57	46	51	41	57	49	44	53	49	27	39	33	38	48	44	20
19	48	39	43	36	51	44	40	48	44	23	34	29	33	42	38	19
18	41	32	36	31	46	39	36	44	40	20	29	25	28	37	33	18
17	35	27	30	27	41	35	32	40	37	16	24	20	24	31	28	17
16	29	22	25	24	37	31	29	37	33	13	19	16	20	26	23	16
15	24	19	21	21	34	28	27	34	31	10	14	12	16	22	19	15
14	20	15	17	18	30	25	23	30	27	7	10	9	13	18	15	14
13	16	12	14	16	26	21	20	26	24	5	7	6	10	14	12	13
12	12	9	11	13	22	17	17	23	20	4	5	5	7	10	9	12
11	9	7	8	10	18	14	14	18	16	3	4	3	5	7	6	11
10	6	5	6	8	16	12	11	14	12	2	3	2	4	5	4	10
9	4	3	4	7	13	10	8	11	9	1	2	2	2	3	3	9
8	3	2	2	5	10	8	6	7	7	1	1	1	1	2	1	8
7	2	1	1	3	7	6	4	5	4	1	1	1	1	1	1	7
6	1	1	1	2	5	4	2	3	3	1	1	1	1	1	1	6
5	1	1	1	2	3	2	1	2	1	1	1	1	1	1	1	5
4	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	4
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	18.5	19.6	19.1	21.2	18.4	19.7	20.0	18.5	19.2	23.8	21.7	22.7	21.0	19.7	20.3	
Std. Dev.	5.1	5.1	5.1	7.2	7.3	7.4	7.0	6.9	6.9	6.2	5.9	6.1	5.5	5.5	5.5	

Sample Size Men (M): 8,971; Women (W): 10,442; Total (T): 19,413

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	27	44	36	25	26	26	38	44	41	27	30	29	30	39	34	A (4)
B (3)	47	42	44	34	35	35	40	38	39	38	38	38	52	50	51	B (3)
C (2)	22	12	17	28	26	27	16	14	15	23	20	21	17	12	15	C (2)
D (1)	3	1	2	7	6	6	2	2	2	3	3	3	1	0	1	D (1)
F (0)	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	1	1	1	4	6	5	4	3	3	9	10	9				Not Taken
Mean	2.99	3.30	3.15	2.78	2.86	2.82	3.18	3.27	3.23	2.97	3.05	3.01	2.97	3.12	3.05	
Std. Dev.	0.80	0.73	0.78	0.95	0.92	0.93	0.79	0.78	0.79	0.85	0.82	0.84	0.65	0.61	0.63	

Sample Size Men (M): 8,377; Women (W): 9,553; Total (T): 17,930

[a]Rounded to the nearest whole letter grade

TABLE 2.21

ACT Score and High School Grade Norms for Students Enrolled in South/Southeast Region Colleges

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	97	99	98	99	99	99	32
31	99	99	99	98	99	99	98	99	99	94	99	97	99	99	99	31
30	99	99	99	98	99	98	97	99	98	91	97	94	99	99	99	30
29	99	99	99	96	99	97	96	98	97	87	95	92	98	99	98	29
28	99	98	98	93	97	96	94	98	96	83	93	89	96	98	97	28
27	98	97	97	90	96	93	91	96	94	80	90	86	93	97	95	27
26	97	95	96	85	93	90	88	94	91	76	87	82	90	95	93	26
25	95	93	94	82	91	87	85	91	88	71	83	78	87	93	90	25
24	92	90	91	79	89	85	80	87	84	66	80	74	82	90	86	24
23	89	86	87	75	87	82	76	83	80	61	76	69	78	86	82	23
22	83	79	81	72	84	79	71	80	76	57	71	65	73	82	78	22
21	77	72	74	68	81	76	67	76	72	52	66	60	68	78	73	21
20	70	64	67	64	78	72	64	72	68	47	61	55	62	73	68	20
19	63	56	59	59	74	67	60	68	64	43	56	50	57	68	63	19
18	56	49	52	54	70	63	56	65	61	37	49	44	51	62	57	18
17	50	43	46	50	66	59	53	61	58	32	43	38	46	55	51	17
16	44	37	40	46	61	54	49	58	54	27	37	32	40	49	45	16
15	38	32	35	42	57	50	46	54	50	21	29	25	34	43	39	15
14	33	27	30	38	53	46	42	50	46	16	22	19	29	36	33	14
13	28	23	25	33	48	41	38	45	42	13	17	15	24	30	27	13
12	22	18	20	28	42	36	34	41	38	10	13	12	18	24	22	12
11	17	14	16	24	37	31	29	35	33	7	10	9	14	18	16	11
10	13	10	12	20	32	27	24	30	27	5	7	6	10	13	12	10
9	9	7	8	16	27	22	19	24	22	4	5	4	7	8	8	9
8	6	5	5	13	22	18	14	18	16	3	4	3	4	5	5	8
7	4	3	3	10	17	14	10	12	11	2	2	2	2	3	3	7
6	2	2	2	6	12	9	6	8	7	1	1	1	1	1	1	6
5	1	1	1	4	8	7	4	5	4	1	1	1	1	1	1	5
4	1	1	1	3	6	5	2	3	2	1	1	1	1	1	1	4
3	1	1	1	2	3	3	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	16.7	17.5	17.1	17.0	14.2	15.5	16.6	15.0	15.7	20.7	18.6	19.5	17.9	16.4	17.1	
Std. Dev.	5.4	5.5	5.5	7.4	7.0	7.3	7.4	6.9	7.2	6.6	6.0	6.4	5.9	5.5	5.7	

Sample Size Men (M): 4,448; Women (W): 5,605; Total (T): 10,053

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	20	33	28	20	21	21	32	37	35	21	25	23	23	30	27	A (4)
B (3)	42	43	43	33	34	34	37	37	37	35	36	36	48	50	49	B (3)
C (2)	30	20	25	31	28	29	22	17	19	27	23	24	27	19	23	C (2)
D (1)	6	2	4	9	8	8	3	3	3	5	3	4	2	1	1	D (1)
F (0)	1	0	0	2	1	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	1	1	1	6	8	7	5	6	5	11	14	13				Not Taken
Mean	2.77	3.08	2.94	2.65	2.73	2.70	3.03	3.14	3.09	2.81	2.95	2.89	2.81	2.97	2.90	
Std. Dev.	0.86	0.81	0.84	0.97	0.94	0.95	0.85	0.83	0.84	0.88	0.84	0.86	0.69	0.66	0.68	

Sample Size Men (M): 3,949; Women (W): 4,875; Total (T): 8,824

[a]Rounded to the nearest whole letter grade

TABLE 2.22

ACT Score and High School Grade Norms for Students Enrolled in East/Northeast Region Colleges

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	98	99	99	99	99	99	97	99	98	99	99	99	33
32	99	99	99	96	99	98	98	99	99	94	98	97	99	99	99	32
31	99	99	99	95	99	97	97	99	98	91	97	94	99	99	99	31
30	99	99	99	93	99	96	95	98	97	86	94	90	97	99	98	30
29	99	98	98	90	97	94	93	97	95	80	91	86	96	98	97	29
28	98	97	98	86	95	91	90	95	93	76	88	82	93	96	95	28
27	97	96	96	81	92	87	87	93	90	73	84	79	89	94	91	27
26	96	94	95	76	89	83	83	90	87	68	81	75	84	91	88	26
25	94	92	93	72	86	80	79	86	83	64	77	71	79	88	84	25
24	91	88	89	69	83	77	74	82	78	59	73	66	75	85	80	24
23	87	83	85	65	80	74	69	77	73	54	69	62	70	81	76	23
22	81	76	79	62	78	71	64	72	68	49	64	57	64	76	70	22
21	74	68	71	59	75	68	60	68	64	44	59	52	59	71	66	21
20	67	60	63	55	71	64	56	64	60	39	53	47	55	65	60	20
19	60	52	56	50	67	59	53	59	56	34	48	42	49	60	55	19
18	54	45	49	45	62	55	49	56	53	29	41	36	44	54	49	18
17	47	39	43	42	57	50	46	53	50	24	35	30	39	48	44	17
16	41	33	37	37	52	46	43	50	47	21	29	25	35	41	38	16
15	36	28	32	34	48	42	40	47	44	16	22	20	29	34	32	15
14	30	23	26	30	44	38	36	43	40	12	16	15	23	28	26	14
13	26	19	22	27	39	33	32	39	35	9	12	11	19	22	21	13
12	21	15	18	22	33	28	29	34	31	7	9	8	15	17	16	12
11	17	11	14	18	28	24	24	28	26	5	6	5	11	13	12	11
10	13	8	10	15	24	20	19	22	21	3	4	4	8	8	7	10
9	9	5	7	13	19	16	14	17	16	2	3	3	4	5	4	9
8	6	3	4	10	15	13	10	12	11	1	2	2	2	2	2	8
7	3	2	2	7	11	9	7	8	7	1	1	1	1	1	1	7
6	2	1	1	5	7	6	4	5	4	1	1	1	1	1	1	6
5	1	1	1	4	5	5	2	3	2	1	1	1	1	1	1	5
4	1	1	1	3	3	3	1	1	1	1	1	1	1	1	1	4
3	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	17.0	18.2	17.6	18.9	15.9	17.3	18.0	16.5	17.2	22.1	19.9	20.9	19.1	17.7	18.4	
Std. Dev.	5.6	5.3	5.5	7.9	7.2	7.7	7.6	7.1	7.4	6.7	6.1	6.5	6.2	5.6	5.9	

Sample Size Men (M): 1,298. Women (W): 1,550. Total (T): 2,848

High School Grade Percentage

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	21	35	29	23	24	24	32	37	35	22	23	23	24	30	27	A (4)
B (3)	44	45	45	30	33	32	38	39	39	37	37	37	48	52	50	B (3)
C (2)	29	17	23	30	29	30	25	18	21	25	22	23	26	17	21	C (2)
D (1)	4	2	3	8	5	7	3	3	3	4	4	4	2	1	1	D (1)
F (0)	1	0	0	2	1	2	0	0	0	1	1	1	0	0	0	F (0)
Not Taken	1	1	1	5	8	7	2	2	2	11	14	12				Not Taken
Mean	2.32	3.14	2.99	2.68	2.79	2.73	3.02	3.12	3.07	2.84	2.91	2.88	2.83	2.99	2.92	
Std. Dev.	0.84	0.76	0.82	1.02	0.94	0.98	0.84	0.84	0.84	0.89	0.86	0.88	0.70	0.66	0.68	

Sample Size Men (M): 1,176. Women (W): 1,352. Total (T): 2,528

[a]Rounded to the nearest whole letter grade

TABLE 2.23

ACT Score and High School Grade Norms for Students Enrolled in West Coast Region 2-Year Colleges

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	98	99	99	99	99	99	32
31	99	99	99	99	99	99	98	99	99	95	99	97	99	99	99	31
30	99	99	99	99	99	99	97	99	99	90	97	94	99	99	99	30
29	99	99	99	98	99	99	97	99	99	85	95	91	99	99	99	29
28	99	99	99	97	99	98	97	99	98	83	94	89	98	99	99	28
27	98	98	98	95	98	97	95	98	97	81	92	88	96	99	98	27
26	97	97	97	91	96	94	91	97	95	75	90	84	92	97	95	26
25	97	97	97	87	94	92	86	95	92	69	87	80	89	95	93	25
24	96	96	96	82	93	89	81	91	87	66	83	77	85	93	90	24
23	94	93	93	78	91	86	77	87	83	61	80	73	80	91	87	23
22	89	88	88	73	89	83	72	84	79	55	76	68	75	88	83	22
21	83	80	81	69	88	81	67	81	75	51	71	64	70	85	79	21
20	76	73	74	65	86	78	63	76	71	46	67	57	64	80	74	20
19	70	65	67	61	82	74	61	71	67	40	63	54	58	75	69	19
18	61	57	58	58	76	69	59	69	65	37	56	49	54	69	64	18
17	54	50	52	56	73	66	56	64	61	32	49	43	49	62	58	17
16	48	45	46	52	68	62	53	60	57	26	43	36	43	55	50	16
15	42	40	41	45	64	58	50	56	54	21	33	28	39	48	45	15
14	36	33	34	43	61	54	46	53	50	18	24	22	33	42	39	14
13	31	27	28	38	55	49	40	50	47	15	19	18	27	35	32	13
12	27	22	24	33	48	42	35	46	42	11	14	13	22	28	26	12
11	22	18	19	28	41	36	30	40	36	9	10	10	18	21	20	11
10	16	14	15	24	36	31	24	32	29	7	8	8	13	15	14	10
9	13	11	12	20	30	26	19	26	23	5	6	6	8	11	10	9
8	9	9	9	17	23	21	15	21	19	4	5	4	5	8	7	8
7	6	6	6	12	18	16	12	16	14	3	3	3	2	5	4	7
6	4	4	4	7	13	10	8	11	10	2	2	2	1	2	2	6
5	2	2	2	5	9	8	5	7	6	1	2	1	1	1	1	5
4	1	1	1	4	7	6	2	4	3	1	1	1	1	1	1	4
3	1	1	1	3	3	3	1	2	1	1	1	1	1	1	1	3
2	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	15.8	16.3	16.1	16.1	13.1	14.2	16.2	14.1	14.9	20.6	17.8	18.9	17.3	15.4	16.1	
Std. Dev.	5.4	5.4	5.4	7.4	6.4	6.9	7.3	6.7	7.0	6.9	5.9	6.4	5.9	5.2	5.5	

Sample Size Men (M): 192 Women (W): 320 Total (T): 512

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	20	31	27	13	21	18	26	31	29	20	19	19	17	23	21	A (4)
B (3)	39	43	42	36	24	29	39	37	38	38	34	35	56	50	53	B (3)
C (2)	37	22	28	38	35	36	27	24	25	30	29	30	25	26	26	C (2)
D (1)	2	2	2	6	10	9	3	5	4	3	5	4	2	1	1	D (1)
F (0)	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	2	1	1	7	9	8	4	4	4	10	13	12				Not Taken
Mean	2.77	3.05	2.94	2.59	2.60	2.60	2.92	2.97	2.95	2.82	2.77	2.79	2.78	2.84	2.82	
Std. Dev.	0.80	0.79	0.80	0.83	0.98	0.93	0.83	0.88	0.86	0.80	0.85	0.83	0.60	0.66	0.64	

Sample Size Men (M): 169 Women (W): 272 Total (T): 441

[a]Rounded to the nearest whole letter grade

TABLE 2.24

ACT Score and High School Grade Norms for Students Enrolled in West Coast Region 4-Year Colleges

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32
31	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	31
30	99	99	99	99	99	99	99	99	99	98	99	99	99	99	99	30
29	99	99	99	98	99	99	99	99	99	91	98	95	99	99	99	29
28	99	99	99	96	99	98	99	99	99	85	94	90	99	99	99	28
27	99	98	99	96	98	97	96	98	97	80	92	86	99	98	99	27
26	99	94	97	93	94	94	87	94	91	78	92	85	98	96	97	26
25	99	92	96	87	92	90	83	92	88	76	90	83	96	94	95	25
24	98	90	94	83	90	86	78	86	82	72	88	80	93	92	93	24
23	96	86	91	83	88	85	74	80	77	67	86	77	89	88	88	23
22	93	84	89	83	88	85	74	80	77	63	84	74	80	84	82	22
21	87	82	84	78	88	83	74	76	75	61	80	71	76	82	79	21
20	80	74	77	72	88	80	70	70	70	59	70	65	72	78	75	20
19	72	62	67	67	84	76	63	68	66	57	64	60	67	74	71	19
18	65	48	56	65	76	71	59	68	64	54	60	57	65	68	67	18
17	63	34	48	65	72	69	54	68	61	46	52	49	63	62	63	17
16	59	28	43	61	70	66	52	64	58	39	42	41	54	54	54	16
15	52	28	40	52	64	58	52	56	54	33	32	32	43	44	44	15
14	48	26	36	48	60	54	48	46	47	24	22	23	37	36	36	14
13	46	24	34	46	54	50	43	38	41	20	14	17	30	30	30	13
12	39	22	30	41	46	44	37	36	36	17	10	14	24	26	25	12
11	35	18	26	35	38	36	28	32	30	15	8	11	22	20	21	11
10	28	16	22	28	28	28	24	26	25	11	8	9	17	12	15	10
9	20	14	17	22	20	21	22	22	22	9	6	7	11	6	8	9
8	17	10	14	13	16	15	20	14	17	4	4	4	4	4	4	8
7	13	8	10	7	14	10	15	8	11	1	4	2	1	2	1	7
6	4	4	4	4	8	6	13	8	10	1	2	1	1	1	1	6
5	1	1	1	4	4	4	7	8	7	1	1	1	1	1	1	5
4	1	1	1	4		4	1	4	2	1	1	1	1	1	1	4
3	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	14.3	17.1	15.8	15.2	13.6	14.4	15.8	15.1	15.4	18.9	17.5	18.2	16.1	16.0	16.0	
Std. Dev.	5.5	5.6	5.7	6.9	6.0	6.5	7.3	6.6	7.0	6.8	5.2	6.1	5.3	5.1	5.2	

Sample Size Men (M): 23; Women (W): 25; Total (T): 48

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	9	45	27	14	27	20	27	33	30	5	33	19	10	32	21	A (4)
B (3)	55	27	41	32	18	25	45	43	44	41	10	26	60	47	54	B (3)
C (2)	36	18	27	32	32	32	23	19	21	36	33	35	30	21	26	C (2)
D (1)	0	5	2	14	5	9	0	0	0	0	5	2	0	0	0	D (1)
F (0)	0	0	0	0	0	0	0	0	0	5	0	2	0	0	0	F (0)
Not Taken	0	5	2	9	18	14	5	5	5	14	19	16				Not Taken
Mean	2.73	3.19	2.95	2.50	2.83	2.66	3.05	3.15	3.10	2.47	2.88	2.67	2.69	3.03	2.85	
Std. Dev.	0.62	0.91	0.81	0.92	0.96	0.95	0.72	0.73	0.73	0.82	1.02	0.94	0.52	0.70	0.64	

Sample Size Men (M): 20; Women (W): 19; Total (T): 39

[a]Rounded to the nearest whole letter grade

TABLE 2.25

ACT Score and High School Grade Norms for Students Enrolled in West Coast Region Master's Level Colleges

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	98	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	94	99	97	99	99	99	32
31	99	99	99	98	99	99	98	99	99	88	97	93	99	99	99	31
30	99	99	99	97	99	99	97	98	97	85	95	91	98	99	99	30
29	99	98	99	95	99	98	96	97	96	80	91	87	97	99	98	29
28	99	98	99	91	97	95	91	95	94	75	87	83	95	98	97	28
27	98	97	97	86	95	91	85	94	91	72	83	79	91	95	93	27
26	96	95	95	81	91	87	79	91	86	67	78	74	85	92	89	26
25	94	93	93	74	89	83	74	86	82	62	71	68	78	89	85	25
24	91	90	90	70	86	80	70	81	77	60	67	64	74	85	81	24
23	87	84	85	66	83	76	66	77	73	56	62	60	70	82	77	23
22	82	77	79	62	79	72	62	73	69	50	55	53	65	78	73	22
21	76	69	72	57	75	68	59	69	65	44	49	47	58	72	67	21
20	67	59	62	51	72	64	54	64	60	39	44	42	51	64	59	20
19	56	47	51	48	69	61	50	58	55	35	39	38	46	56	52	19
18	48	39	42	45	64	57	46	53	51	30	34	33	41	49	46	18
17	42	30	35	40	59	51	43	51	48	23	29	27	36	40	39	17
16	37	22	28	36	53	46	40	48	45	19	24	22	31	33	32	16
15	31	17	23	31	48	41	37	45	42	15	18	17	26	27	27	15
14	24	14	18	26	43	36	35	42	39	9	12	11	22	21	22	14
13	20	10	14	23	38	32	32	37	35	5	8	7	16	16	16	13
12	17	7	11	21	32	28	28	32	30	4	6	5	11	12	12	12
11	13	5	8	18	27	23	25	25	25	2	5	4	7	8	8	11
10	11	4	7	13	22	19	21	16	18	1	3	3	5	5	5	10
9	7	2	4	10	18	15	17	11	13	1	3	2	4	3	3	9
8	3	2	2	7	14	11	11	7	8	1	2	2	2	1	1	8
7	2	1	1	6	10	8	6	4	5	1	1	1	1	1	1	7
6	1	1	1	3	5	5	4	3	3	1	1	1	1	1	1	6
5	1	1	1	2	3	3	3	2	2	1	1	1	1	1	1	5
4	1	1	1	1	3	3	1	1	1	1	1	1	1	1	1	4
3	1	1	1	1	3	2	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	17.5	18.9	18.4	18.9	15.7	17.0	18.2	16.9	17.4	22.3	20.9	21.4	19.4	18.2	18.7	
Std. Dev.	5.0	4.5	4.8	7.1	6.7	7.0	7.7	6.7	7.1	6.5	5.9	6.2	5.8	5.0	5.4	

Sample Size Men (M): 147; Women (W): 229; Total (T): 376

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	27	45	38	29	22	25	37	44	41	21	26	24	26	32	30	A (4)
B (3)	50	41	44	22	36	30	38	38	38	42	40	41	58	56	57	B (3)
C (2)	14	10	12	35	28	31	17	13	15	21	21	21	16	10	12	C (2)
D (1)	4	3	3	6	7	7	1	3	3	1	4	3	0	2	1	D (1)
F (0)	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	4	2	3	6	6	6	6	2	3	15	8	11				Not Taken
Mean	3.04	3.30	3.20	2.76	2.76	2.76	3.18	3.25	3.22	2.99	2.96	2.97	2.98	3.06	3.03	
Std. Dev.	0.78	0.76	0.78	1.02	0.92	0.96	0.78	0.81	0.80	0.73	0.84	0.80	0.61	0.63	0.62	

Sample Size Men (M): 129; Women (W): 210; Total (T): 339

[a]Rounded to the nearest whole letter grade

TABLE 2.26

ACT Score and High School Grade Norms for Students Enrolled in West Coast Region PhD Level Colleges

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	98	99	99	99	99	99	33
32	99	99	99	98	99	99	99	99	99	95	99	97	99	99	99	32
31	99	99	99	97	99	98	97	99	98	92	97	94	99	99	99	31
30	99	98	99	94	98	96	95	97	96	86	93	90	99	99	99	30
29	99	98	98	90	98	94	93	96	95	78	88	83	97	98	98	29
28	98	97	97	85	96	90	90	95	92	70	83	77	94	97	96	28
27	97	94	95	80	94	86	87	92	89	65	80	73	89	95	92	27
26	95	90	93	75	90	82	81	87	84	61	76	69	83	91	87	26
25	94	86	90	70	87	78	75	82	78	56	71	64	76	86	81	25
24	91	83	87	65	84	74	70	77	73	50	67	59	70	81	75	24
23	86	80	83	58	81	70	64	71	67	45	64	55	63	75	69	23
22	79	72	76	53	79	66	58	65	61	41	60	50	56	69	62	22
21	71	62	66	49	75	62	54	59	56	36	54	45	49	64	56	21
20	61	52	56	45	70	57	50	53	52	32	46	39	44	58	51	20
19	52	43	48	40	64	52	44	50	47	28	39	33	40	52	46	19
18	45	37	41	37	57	47	38	47	43	23	33	28	34	46	40	18
17	37	30	33	34	51	43	35	46	40	20	27	23	28	39	33	17
16	31	23	27	30	46	38	32	43	37	17	24	20	24	31	27	16
15	25	19	22	27	41	34	30	38	33	13	19	16	20	25	23	15
14	20	16	18	24	38	31	26	33	29	10	13	12	16	20	18	14
13	16	12	14	20	34	27	22	29	25	8	10	9	12	15	14	13
12	12	10	11	18	28	23	19	25	22	6	7	6	9	11	10	12
11	8	8	8	14	23	19	15	20	17	4	4	4	7	8	7	11
10	6	6	6	11	19	15	11	16	14	3	3	3	5	5	5	10
9	4	3	4	9	15	12	8	13	10	2	2	2	3	2	2	9
8	2	2	2	7	11	9	6	9	7	1	1	1	1	1	1	8
7	1	1	1	6	7	6	4	5	4	1	1	1	1	1	1	7
6	1	1	1	4	4	4	2	3	3	1	1	1	1	1	1	6
5	1	1	1	2	3	3	1	2	2	1	1	1	1	1	1	5
4	1	1	1	1	2	2	1	2	1	1	1	1	1	1	1	4
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	18.2	19.3	18.7	20.1	16.6	18.4	19.5	18.0	18.7	23.1	20.8	22.0	20.3	18.8	19.6	
Std. Dev.	4.8	5.1	5.0	7.4	6.6	7.3	6.9	7.0	7.0	6.5	6.1	6.4	5.6	5.3	5.5	

Sample Size Men (M): 271. Women (W): 261. Total (T): 532

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	31	43	37	24	24	24	43	47	45	31	31	31	33	37	35	A (4)
B (3)	41	42	41	33	31	32	35	29	32	35	39	37	47	47	47	B (3)
C (2)	23	13	18	30	33	32	17	18	17	26	19	22	20	15	18	C (2)
D (1)	4	1	3	8	4	6	1	2	1	2	2	2	1	0	0	D (1)
F (0)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	1	1	1	4	7	6	4	4	4	6	8	7				Not Taken
Mean	2.99	3.28	3.13	2.76	2.79	2.77	3.25	3.28	3.26	3.00	3.07	3.03	2.09	3.09	3.04	
Std. Dev.	0.86	0.73	0.81	0.94	0.89	0.92	0.77	0.82	0.79	0.86	0.83	0.84	0.66	0.64	0.65	

Sample Size Men (M): 253. Women (W): 238. Total (T): 491

[a]Rounded to the nearest whole letter grade

TABLE 2.27

ACT Score and High School Grade Norms for Students Enrolled in Rocky Mountains/Great Plains Region 2-Year Colleges

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	98	99	99	99	99	99	32
31	99	99	99	99	99	99	99	99	99	97	99	98	99	99	99	31
30	99	99	99	99	99	99	99	99	99	95	98	96	99	99	99	30
29	99	99	99	98	99	99	99	99	99	91	96	94	99	99	99	29
28	99	99	99	96	99	97	98	98	98	87	93	90	99	99	99	28
27	99	99	99	93	97	95	97	98	97	84	91	88	98	98	98	27
26	99	98	99	90	95	93	95	96	96	80	88	84	96	97	97	26
25	99	97	98	87	93	9[illegible]	92	94	93	75	84	80	93	95	94	25
24	97	95	96	83	91	88	87	90	89	70	81	76	89	92	91	24
23	95	91	93	80	88	84	82	87	84	64	77	71	85	89	87	23
22	91	84	87	77	86	82	77	84	81	58	73	66	80	85	83	22
21	86	76	80	73	83	78	74	81	78	53	68	61	74	81	78	21
20	81	68	74	68	80	74	69	76	73	48	62	56	69	77	73	20
19	75	60	67	63	76	70	66	72	69	42	56	50	63	71	67	19
18	67	53	59	57	72	65	63	68	66	37	48	43	57	63	60	18
17	61	47	53	50	68	60	59	64	62	32	41	36	51	56	53	17
16	55	40	47	46	63	55	55	61	58	27	35	32	44	50	47	16
15	49	35	41	42	58	51	51	56	54	20	27	24	38	43	41	15
14	40	30	34	38	54	47	47	51	49	14	18	16	31	36	34	14
13	33	24	28	34	47	41	43	46	45	11	15	13	25	28	27	13
12	28	18	23	29	40	35	39	41	40	9	11	10	19	21	20	12
11	22	14	17	25	35	30	33	35	34	8	8	8	14	16	15	11
10	16	11	13	22	31	26	27	29	28	6	6	6	10	13	12	10
9	11	8	10	18	25	22	21	22	22	5	5	5	7	8	8	9
8	8	6	7	15	21	18	15	17	16	3	3	3	5	5	5	8
7	6	4	5	10	16	14	10	12	11	2	2	2	3	3	3	7
6	4	2	3	7	11	9	7	8	8	2	1	2	2	2	2	6
5	1	1	1	5	8	6	5	4	5	1	1	1	1	1	1	5
4	1	1	1	4	5	5	3	2	3	1	1	1	1	1	1	4
3	1	1	1	2	3	2	2	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	15.3	16.9	16.2	16.4	14.1	15.1	15.3	14.6	14.9	20.3	18.6	19.4	17.0	16.2	16.5	
Std. Dev.	5.0	5.1	5.1	7.0	6.6	6.9	6.9	6.5	6.7	6.3	5.7	6.1	5.4	5.1	5.3	

Sample Size Men (M) 421; Women (W) 495; Total (T) 916

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	17	35	27	15	20	18	24	30	27	14	20	18	15	26	21	A (4)
B (3)	42	41	42	29	34	32	40	39	40	37	38	37	54	52	53	B (3)
C (2)	35	20	27	37	30	33	29	24	26	30	27	28	30	21	25	C (2)
D (1)	5	2	3	8	8	8	3	4	4	5	4	5	1	1	1	D (1)
F (0)	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	1	1	1	9	7	8	4	2	3	13	10	12				Not Taken
Mean	2.72	3.10	2.92	2.54	2.71	2.63	2.88	2.98	2.93	2.70	2.82	2.76	2.72	2.91	2.82	
Std. Dev.	0.81	0.81	0.84	0.92	0.92	0.93	0.82	0.85	0.84	0.81	0.86	0.84	0.64	0.66	0.66	

Sample Size Men (M) 368; Women (W) 432; Total (T) 800

[a]Rounded to the nearest whole letter grade

TABLE 2.28

ACT Score and High School Grade Norms for Students Enrolled in Rocky Mountains/Great Plains Region 4-Year Colleges

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	98	99	99	99	99	99	96	99	98	99	99	99	33
32	99	99	99	97	99	98	99	99	99	93	99	96	99	99	99	32
31	99	99	99	96	98	97	97	99	99	89	97	93	99	99	99	31
30	99	99	99	94	97	96	96	99	98	83	94	89	97	99	98	30
29	99	98	98	91	96	94	94	99	96	77	92	84	95	99	97	29
28	98	97	98	86	94	90	90	97	94	71	89	80	92	97	95	28
27	97	96	97	81	92	87	87	95	91	66	86	76	88	94	91	27
26	96	95	95	75	89	82	81	92	87	62	83	73	83	92	87	26
25	93	94	93	69	87	78	75	88	82	58	78	68	76	89	83	25
24	90	90	90	66	85	76	70	82	76	53	71	63	70	86	78	24
23	85	85	85	62	81	72	65	77	71	49	66	58	65	82	73	23
22	78	76	77	59	77	68	60	73	66	45	61	54	60	76	68	22
21	70	66	68	56	73	65	56	67	62	41	55	48	56	70	63	21
20	62	55	58	51	69	60	53	61	57	37	49	43	50	63	57	20
19	54	46	50	47	64	55	48	56	52	32	44	38	45	55	50	19
18	46	40	43	42	58	50	45	54	49	27	37	32	40	48	44	18
17	39	34	37	39	53	46	41	51	47	22	31	27	35	42	38	17
16	34	28	31	36	48	42	38	48	43	18	26	22	29	36	33	16
15	30	23	26	34	44	39	35	45	40	14	20	17	24	30	27	15
14	25	20	23	31	40	35	31	41	36	10	15	12	20	25	22	14
13	20	15	17	27	34	30	26	36	31	8	11	9	15	20	18	13
12	15	10	13	23	27	25	23	32	27	6	8	7	11	15	13	12
11	11	7	9	20	23	22	18	27	23	5	5		8	11	9	11
10	8	5	6	18	20	19	15	21	18	4	4		6	6	6	10
9	5	4	4	14	16	15	12	15	13	3	3	3	4	3	4	9
8	3	2	3	10	12	11	8	11	10	2	2	2	3	2	2	8
7	2	1	1	7	8	8	5	8	6	1	1	1	1	1	1	7
6	1	1	1	5	6	5	3	4	4	1	1	1	1	1	1	6
5	1	1	1	4	5	4	2	2	2	1	1	1	1	1	1	5
4	1	1	1	3	4	3	1	1	1	1	1	1	1	1	1	4
3	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	17.9	18.6	18.3	19.1	16.5	17.8	18.8	16.7	17.7	22.8	20.2	21.5	19.8	18.1	18.9	
Std. Dev.	5.2	4.9	5.0	8.0	7.0	7.6	7.3	6.8	7.1	6.8	5.9	6.5	6.1	5.3	5.7	

Sample Size Men (M): 376; Women (W): 388; Total (T): 764

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	33	45	39	28	29	29	39	42	40	28	28	28	32	39	35	A (4)
B (3)	40	38	39	31	28	29	37	39	38	35	34	34	49	49	49	B (3)
C (2)	24	16	20	30	27	29	19	13	16	25	23	24	18	12	15	C (2)
D (1)	3	1	2	6	4	5	3	1	2	4	1	3	1	0	1	D (1)
F (0)	0	0	0	0	1	1	1	0	0	1	0	0	0	0	0	F (0)
Not Taken	0	1	0	5	11	8	2	5	3	7	14	11				Not Taken
Mean	3.03	3.27	3.15	2.85	2.90	2.88	3.12	3.28	3.20	2.93	3.02	2.98	2.99	3.13	3.06	
Std. Dev.	0.83	0.76	0.80	0.92	0.93	0.93	0.86	0.75	0.81	0.89	0.82	0.86	0.69	0.63	0.67	

Sample Size Men (M): 345; Women (W): 335; Total (T): 680

[a]Rounded to the nearest whole letter grade

TABLE 2.29

ACT Score and High School Grade Norms for Students Enrolled in Rocky Mountains/Great Plains Region Master's Level Colleges

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	98	98	98	99	99	99	32
31	99	99	99	99	99	99	99	99	99	95	96	96	99	99	99	31
30	99	99	99	98	99	98	98	98	98	92	95	93	99	99	99	30
29	99	98	99	96	97	97	97	97	97	87	92	90	99	98	98	29
28	99	98	98	94	96	95	94	96	95	82	89	86	97	97	97	28
27	99	96	97	91	93	92	91	94	93	78	86	82	95	96	96	27
26	98	94	96	87	90	89	88	91	90	72	83	78	92	93	93	26
25	98	92	95	83	87	85	84	87	85	67	79	73	89	90	90	25
24	96	90	92	79	85	82	78	81	80	62	74	69	84	87	86	24
23	93	85	88	75	83	79	73	76	75	56	69	63	78	81	80	23
22	88	77	82	70	80	76	68	73	71	50	64	58	71	75	74	22
21	82	67	74	66	77	73	63	69	66	45	58	52	65	71	68	21
20	75	58	66	61	73	68	58	65	62	39	49	45	58	65	62	20
19	66	50	57	56	68	63	53	61	57	33	42	38	51	58	55	19
18	58	44	50	51	63	58	49	57	53	27	35	32	45	52	49	18
17	50	38	43	46	58	53	46	53	50	23	29	26	40	46	43	17
16	41	32	36	40	53	48	43	49	46	18	25	22	32	39	36	16
15	34	26	30	35	48	43	38	45	42	13	19	16	25	31	29	15
14	28	22	24	32	43	38	34	40	37	8	14	11	20	24	22	14
13	21	16	18	28	36	33	30	34	32	5	11	8	14	18	16	13
12	15	12	13	23	30	27	26	30	28	3	8	6	10	13	12	12
11	11	8	9	19	25	22	21	26	23	2	5	4	7	8	8	11
10	8	5	6	15	21	18	16	21	18	2	4	3	5	5	5	10
9	6	3	4	11	16	14	12	15	14	1	2	2	3	3	3	9
8	5	2	3	8	11	10	8	11	9	1	1	1	1	1	1	8
7	3	1	2	6	7	7	5	7	6	1	1	1	1	1	1	7
6	1	1	1	4	4	4	2	4	3	1	1	1	1	1	1	6
5	1	1	1	2	3	3	1	2	1	1	1	1	1	1	1	5
4	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	4
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	16.8	18.4	17.7	17.7	16.0	16.8	17.8	16.7	17.2	21.9	20.2	21.0	18.7	18.0	18.3	
Std. Dev.	4.6	5.0	4.9	6.8	6.7	6.8	6.8	6.8	6.8	5.8	5.7	5.8	5.1	5.2	5.1	

Sample Size Men (M): 444; Women (W): 578; Total (T): 1,022

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	25	44	36	20	22	21	35	41	38	25	29	28	28	35	32	A (4)
B (3)	43	39	41	37	36	36	44	38	41	35	34	35	51	50	50	B (3)
C (2)	26	16	20	27	28	28	18	16	17	24	21	22	21	14	17	C (2)
D (1)	3	1	2	8	6	7	1	2	2	4	4	4	0	1	1	D (1)
F (0)	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	2	0	1	7	6	6	3	2	3	12	11	11				Not Taken
Mean	2.92	3.25	3.11	2.72	2.78	2.76	3.15	3.20	3.18	2.92	3.00	2.96	2.93	3.06	3.00	
Std. Dev.	0.82	0.78	0.81	0.94	0.90	0.92	0.75	0.80	0.78	0.86	0.88	0.88	0.63	0.65	0.64	

Sample Size Men (M): 404; Women (W): 524; Total (T): 928

[a]Rounded to the nearest whole letter grade

TABLE 2.30

ACT Score and High School Grade Norms for Students Enrolled in Rocky Mountains/Great Plains Region PhD Level Colleges

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	98	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	97	99	98	99	99	99	97	99	98	99	99	99	**33**
32	99	99	99	95	98	97	98	99	99	93	97	95	99	99	99	**32**
31	99	99	99	93	97	95	96	98	97	88	95	91	99	99	99	**31**
30	99	98	99	91	96	93	94	96	95	80	90	85	97	98	97	**30**
29	98	97	98	87	93	90	92	94	93	72	85	79	94	96	95	**29**
28	98	96	97	80	90	85	88	92	90	66	79	72	90	94	92	**28**
27	96	93	95	74	85	79	84	90	87	60	75	67	86	90	88	**27**
26	95	90	92	67	79	73	79	85	82	54	70	62	79	85	82	**26**
25	92	86	89	60	74	67	72	78	75	48	64	56	72	79	75	**25**
24	89	80	84	56	71	63	63	71	67	42	57	49	64	73	68	**24**
23	82	72	77	51	67	59	56	64	60	36	52	44	56	65	61	**23**
22	74	61	68	46	62	54	51	58	55	31	47	39	48	58	53	**22**
21	65	50	57	42	57	50	47	53	50	27	41	34	41	50	46	**21**
20	55	40	48	37	52	45	41	47	44	23	35	29	35	44	39	**20**
19	46	32	39	32	47	40	37	43	40	19	29	24	29	38	33	**19**
18	38	25	31	28	41	34	34	40	37	15	23	19	24	32	28	**18**
17	31	20	26	24	37	30	31	36	33	11	18	15	20	26	23	**17**
16	26	16	21	20	32	26	27	32	30	9	14	12	16	21	18	**16**
15	21	13	17	17	28	23	24	28	26	7	10	8	12	16	14	**15**
14	17	10	13	15	25	20	20	24	22	4	7	6	9	12	11	**14**
13	13	7	10	13	21	17	18	21	19	3	5	4	7	8	7	**13**
12	9	5	7	10	17	14	15	18	16	2	3	3	5	6	5	**12**
11	7	3	5	8	15	11	12	14	13	2	2	2	3	4	4	**11**
10	4	2	3	6	12	9	9	11	10	1	1	1	2	2	2	**10**
9	3	1	2	5	10	7	6	7	7	1	1	1	1	1	1	**9**
8	2	1	1	4	7	5	4	5	4	1	1	1	1	1	1	**8**
7	1	1	1	3	5	4	3	3	3	1	1	1	1	1	1	**7**
6	1	1	1	2	3	2	1	2	2	1	1	1	1	1	1	**6**
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**5**
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**4**
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	18.9	20.5	19.7	21.9	19.3	20.6	20.5	19.4	19.9	24.6	22.5	23.6	21.6	20.5	21.1	
Std. Dev.	4.8	4.6	4.8	6.9	7.1	7.1	6.7	6.6	6.7	5.8	5.7	5.8	5.2	5.1	5.2	

Sample Size Men (M): 1,569; Women (W): 1,568; Total (T): 3,137

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	35	54	44	29	29	29	45	51	48	32	38	35	35	46	40	**A (4)**
B (3)	43	36	39	37	37	37	39	34	36	38	34	36	50	45	48	**B (3)**
C (2)	19	9	14	24	24	24	13	11	12	19	17	18	14	9	11	**C (2)**
D (1)	2	1	2	6	5	6	2	1	2	3	2	2	0	0	0	**D (1)**
F (0)	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	**F (0)**
Not Taken	1	1	1	4	6	5	2	2	2	7	9	8				**Not Taken**
Mean	3.11	3.43	3.27	2.90	2.95	2.92	3.29	3.38	3.34	3.08	3.19	3.13	3.09	3.23	3.16	
Std. Dev.	0.80	0.70	0.77	0.93	0.89	0.91	0.76	0.74	0.75	0.82	0.81	0.82	0.63	0.59	0.61	

Sample Size Men (M): 1,489; Women (W): 1,454; Total (T): 2,943

[a]Rounded to the nearest whole letter grade

TABLE 2.31

ACT Score and High School Grade Norms for Students Enrolled in Southwest Region 2-Year Colleges

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32
31	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	31
30	99	99	99	99	99	99	99	99	99	97	98	98	99	99	99	30
29	99	99	99	99	99	99	98	99	99	95	97	96	99	99	99	29
28	99	99	99	99	99	99	98	99	98	93	95	94	99	99	99	28
27	99	99	99	98	99	98	96	98	97	92	94	93	99	99	99	27
26	99	98	99	97	98	97	94	97	96	89	92	91	98	98	98	26
25	99	97	98	96	97	96	93	96	95	85	90	88	97	97	97	25
24	98	95	97	94	96	95	91	94	92	82	88	86	95	95	95	24
23	98	92	95	92	95	94	88	91	90	78	85	82	93	93	93	23
22	96	88	91	90	94	92	85	88	87	73	82	79	90	91	90	22
21	92	82	86	88	92	91	82	85	84	69	79	75	88	87	88	21
20	88	76	81	86	90	88	78	81	80	65	74	70	84	85	84	20
19	82	69	75	83	87	85	75	78	77	61	70	66	78	80	79	19
18	76	63	68	80	83	82	73	76	75	55	64	60	73	76	74	18
17	69	58	62	75	80	78	70	73	72	48	57	53	67	71	70	17
16	62	52	57	71	76	74	66	70	69	43	50	47	62	66	64	16
15	57	47	51	67	72	70	63	67	65	36	42	40	56	60	58	15
14	51	42	46	62	69	66	59	63	61	31	35	33	49	53	52	14
13	46	36	40	57	63	61	54	59	57	26	28	27	43	46	45	13
12	40	30	34	51	57	54	50	56	53	20	22	21	37	40	38	12
11	34	24	28	44	51	48	44	50	48	15	16	16	30	32	31	11
10	27	19	22	38	44	42	37	42	40	12	12	12	23	24	23	10
9	20	14	16	31	37	35	30	35	33	9	9	9	17	16	16	9
8	15	9	12	26	31	29	23	28	26	6	6	6	11	9	10	8
7	10	6	8	21	24	23	16	21	19	5	5	5	5	5	5	7
6	5	3	4	14	16	16	11	14	13	3	3	3	3	2	2	6
5	3	2	2	10	12	11	7	9	8	2	2	2	1	1	1	5
4	1	1	1	8	9	8	4	5	5	1	1	1	1	1	1	4
3	1	1	1	4	5	4	2	3	3	1	1	1	1	1	1	3
2	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	13.8	15.5	14.8	12.7	11.7	12.1	13.6	12.7	13.1	17.6	16.5	17.0	14.5	14.2	14.4	
Std. Dev.	5.1	5.5	5.4	6.4	6.1	6.2	6.9	6.6	6.7	6.4	5.9	6.2	5.3	5.2	5.3	

Sample Size Men (M): 844; Women (W): 1,165; Total (T): 2,009

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	14	32	24	14	19	17	22	32	28	14	20	17	15	27	22	A (4)
B (3)	36	39	38	30	32	31	39	35	37	34	36	35	47	52	50	B (3)
C (2)	38	21	28	33	29	31	26	20	22	30	23	26	35	21	27	C (2)
D (1)	7	3	5	12	7	10	4	3	3	6	4	5	3	1	2	D (1)
F (0)	1	0	0	1	1	1	0	0	0	1	0	0	0	0	0	F (0)
Not Taken	5	4	4	9	11	10	10	10	10	16	17	17				Not Taken
Mean	2.57	3.05	2.85	2.47	2.69	2.60	2.86	3.08	2.99	2.63	2.87	2.77	2.62	2.92	2.79	
Std. Dev.	0.86	0.83	0.87	0.96	0.93	0.95	0.84	0.84	0.84	0.88	0.84	0.86	0.68	0.65	0.68	

Sample Size Men (M): 702; Women (W): 941; Total (T): 1,643

[a]Rounded to the nearest whole letter grade

TABLE 2.32

ACT Score and High School Grade Norms for Students Enrolled in Southwest Region 4-Year Colleges

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	98	99	99	99	99	99	98	99	99	99	99	99	33
32	99	99	99	97	99	98	99	99	99	97	99	98	99	99	99	32
31	99	99	99	96	99	98	99	99	99	95	97	96	98	99	99	31
30	99	99	99	95	99	97	98	99	98	93	94	94	97	99	98	30
29	98	98	98	95	98	97	97	97	97	90	91	91	96	99	98	29
28	98	98	98	93	97	95	96	96	96	87	90	88	95	98	97	28
27	97	98	97	91	96	94	94	94	94	83	87	85	94	95	94	27
26	95	96	96	89	94	91	90	92	91	79	84	81	91	93	92	26
25	94	94	94	86	91	89	86	89	88	74	80	77	88	90	89	25
24	92	90	91	83	89	86	80	87	84	70	77	74	85	87	86	24
23	88	84	85	78	87	83	76	83	80	66	73	70	80	84	82	23
22	83	75	79	73	84	79	74	78	76	61	68	65	76	79	78	22
21	78	66	71	69	80	75	72	72	72	55	62	59	72	74	73	21
20	71	56	63	63	77	71	67	67	67	49	58	54	66	70	68	20
19	65	47	55	58	74	67	62	63	63	44	53	49	61	63	62	19
18	58	43	50	55	70	63	57	60	59	37	46	42	53	56	55	18
17	50	38	44	51	65	59	52	57	55	30	39	35	45	52	48	17
16	43	31	37	47	62	55	47	54	51	25	33	29	39	45	42	16
15	37	25	31	43	58	51	42	51	47	20	27	24	32	38	35	15
14	33	20	26	40	53	47	37	47	43	16	21	19	27	34	31	14
13	29	15	21	35	47	42	33	43	38	12	17	15	25	28	27	13
12	25	12	18	29	39	35	30	36	33	9	14	11	20	21	20	12
11	21	9	15	25	32	29	27	29	28	7	11	9	14	15	15	11
10	16	7	11	20	29	25	24	23	23	5	8	7	10	10	10	10
9	11	6	8	16	23	20	20	19	19	4	7	6	8	7	8	9
8	9	4	6	15	20	17	15	15	15	4	6	5	6	5	6	8
7	6	3	4	12	16	14	9	11	10	3	4	4	3	4	3	7
6	3	2	2	7	12	10	5	8	7	2	2	2	1	3	2	6
5	2	1	1	5	7	7	2	6	5	1	1	1	1	1	1	5
4	1	1	1	3	5	5	1	4	3	1	1	1	1	1	1	4
3	1	1	1	1	3	2	1	2	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	16.5	18.3	17.5	16.8	14.4	15.5	16.6	15.7	16.1	20.3	19.0	19.6	17.7	17.0	17.3	
Std. Dev.	5.8	5.1	5.5	7.5	7.0	7.3	7.0	7.1	7.1	6.4	6.5	6.5	5.9	5.7	5.8	

Sample Size Men (M): 165; Women (W): 197; Total (T): 362

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	22	39	32	19	22	20	31	35	33	21	24	23	22	30	26	A (4)
B (3)	47	41	41	38	34	36	44	40	42	39	38	39	56	52	54	B (3)
C (2)	29	17	22	28	30	29	17	19	18	26	24	25	21	18	19	C (2)
D (1)	7	2	4	10	7	8	3	2	2	3	4	3	1	0	1	D (1)
F (0)	1	0	0	0	1	0	1	0	0	1	0	1	1	0	0	F (0)
Not Taken	1	1	1	5	7	6	5	4	4	9	10	9				Not Taken
Mean	2.77	3.19	3.00	2.70	2.74	2.72	3.08	3.12	3.10	2.84	2.92	2.88	2.85	2.98	2.92	
Std. Dev.	0.90	0.77	0.86	0.90	0.92	0.91	0.82	0.79	0.81	0.86	0.83	0.85	0.68	0.65	0.67	

Sample Size Men (M): 144; Women (W): 180; Total (T): 324

[a]Rounded to the nearest whole letter grade

TABLE 2.33

ACT Score and High School Grade Norms for Students Enrolled in Southwest Region Master's Level Colleges

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	97	99	99	99	99	99	32
31	99	99	99	99	99	99	99	99	99	95	99	97	99	99	99	31
30	99	99	99	98	99	99	98	99	99	92	98	95	99	99	99	30
29	99	99	99	97	99	98	97	98	98	88	96	93	98	99	99	29
28	99	99	99	95	98	97	95	97	96	84	94	90	97	99	98	28
27	98	98	98	93	97	95	93	96	95	81	92	88	95	98	97	27
26	98	96	97	91	96	94	91	95	93	77	89	84	94	96	95	26
25	97	94	95	88	95	92	88	93	91	72	86	80	91	94	93	25
24	95	92	93	85	93	90	83	90	87	68	84	77	87	92	90	24
23	93	88	90	81	91	87	78	87	83	63	79	73	83	90	87	23
22	89	81	84	77	88	83	74	83	79	58	74	67	77	87	83	22
21	83	72	76	74	84	80	69	79	75	52	69	62	72	82	78	21
20	74	63	68	70	81	77	64	75	71	46	64	57	66	76	72	20
19	65	55	59	66	77	73	60	72	67	42	58	52	61	70	66	19
18	58	47	52	61	73	68	58	69	64	36	51	45	54	64	60	18
17	52	41	45	56	67	63	55	65	61	30	45	39	48	58	54	17
16	46	34	39	51	63	58	51	60	57	26	39	34	41	51	47	16
15	40	29	33	47	59	54	48	56	53	21	29	26	34	42	39	15
14	34	24	28	43	54	50	44	52	49	16	21	19	29	34	32	14
13	28	19	23	38	47	44	41	47	44	13	15	14	25	28	27	13
12	24	14	18	33	41	38	36	42	39	9	11	10	20	22	21	12
11	20	11	15	28	36	33	31	36	34	8	9	8	16	15	16	11
10	15	9	11	24	32	29	25	29	28	7	6	7	12	10	11	10
9	11	6	8	19	25	23	19	23	21	6	5	5	8	6	7	9
8	8	3	5	15	20	18	14	17	16	4	3	3	4	4	4	8
7	5	2	3	11	15	13	11	11	11	2	2	2	2	2	2	7
6	3	1	2	7	11	9	7	6	6	1	1	1	1	1	1	6
5	2	1	1	4	8	7	4	4	4	1	1	1	1	1	1	5
4	1	1	1	3	6	5	3	2	2	1	1	1	1	1	1	4
3	1	1	1	2	3	3	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	16.1	17.3	17.1	16.0	13.9	14.7	16.2	14.7	15.3	20.5	18.3	19.2	17.3	16.3	16.7	
Std. Dev.	5.3	5.0	5.2	7.1	6.5	6.8	7.3	6.6	6.9	6.6	5.6	6.2	5.7	5.1	5.4	

Sample Size Men (M): 526; Women (W): 762; Total (T): 1,288

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	24	39	33	20	24	23	33	40	37	24	27	26	24	35	30	A (4)
B (3)	43	43	43	33	37	35	42	38	39	38	38	38	52	50	51	B (3)
C (2)	27	14	19	32	24	28	17	14	15	22	18	20	21	14	17	C (2)
D (1)	4	2	3	7	7	7	2	1	2	5	2	3	3	1	2	D (1)
F (0)	0	0	0	2	1	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	1	1	1	6	7	6	5	7	6	11	14	12				Not Taken
Mean	2.88	3.21	3.07	2.66	2.83	2.76	3.12	3.24	3.19	2.90	3.04	2.98	2.87	3.08	2.99	
Std. Dev.	0.82	0.78	0.81	0.96	0.93	0.94	0.79	0.77	0.78	0.86	0.82	0.84	0.69	0.63	0.66	

Sample Size Men (M): 472; Women (W): 667; Total (T): 1,139

[a]Rounded to the nearest whole letter grade

TABLE 2.34

ACT Score and High School Grade Norms for Students Enrolled in Southwest Region PhD Level Colleges

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	98	99	99	99	99	99	98	99	99	99	99	99	33
32	99	99	99	97	99	98	98	99	99	95	99	97	99	99	99	32
31	99	99	99	97	99	98	97	99	98	90	98	94	98	99	99	31
30	98	99	98	95	99	97	95	98	96	84	95	90	97	99	98	30
29	98	98	98	91	97	94	92	97	95	78	92	85	95	98	97	29
28	97	97	97	87	95	91	89	95	92	72	88	80	92	97	94	28
27	95	95	95	82	92	87	87	93	90	67	84	76	88	95	91	27
26	93	93	93	76	88	82	83	90	86	61	79	70	83	91	87	26
25	90	89	90	71	84	78	77	85	81	56	74	65	77	87	82	25
24	87	85	86	67	81	74	69	79	74	52	69	60	71	82	77	24
23	83	77	80	62	77	70	62	74	68	48	64	55	65	77	71	23
22	75	69	72	57	73	65	56	69	63	41	58	50	58	71	65	22
21	66	59	63	53	68	61	54	64	59	36	51	44	51	64	58	21
20	58	50	54	48	62	55	49	59	54	31	46	39	45	57	51	20
19	50	41	46	42	57	50	45	54	50	26	41	34	39	50	45	19
18	43	34	38	38	52	45	41	50	46	22	34	28	33	44	38	18
17	37	29	32	33	47	40	37	47	42	17	28	23	27	38	33	17
16	31	24	27	29	42	36	33	43	38	14	23	19	23	31	27	16
15	26	20	23	25	38	32	29	39	34	11	17	14	19	25	22	15
14	22	16	19	23	35	29	26	35	31	8	11	10	15	20	18	14
13	18	13	15	19	31	25	23	31	28	6	9	7	12	16	14	13
12	14	10	12	15	26	21	20	28	24	4	6	5	9	12	10	12
11	11	7	9	13	22	18	17	23	20	3	4	4	6	9	7	11
10	8	5	6	11	19	15	13	18	16	2	3	3	4	6	5	10
9	5	3	4	9	15	12	10	14	12	2	2	2	3	3	3	9
8	4	2	3	6	12	9	7	10	9	1	2	2	2	2	2	8
7	2	1	1	4	9	6	5	7	6	1	1	1	1	1	1	7
6	1	1	1	2	5	4	3	5	4	1	1	1	1	1	1	6
5	1	1	1	2	4	3	1	3	2	1	1	1	1	1	1	5
4	1	1	1	1	2	2	1	2	1	1	1	1	1	1	1	4
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	18.4	19.4	18.9	20.0	17.2	18.5	19.3	17.4	18.3	23.2	20.7	21.9	20.4	18.8	19.5	
Std. Dev.	5.4	5.0	5.2	7.1	7.0	7.2	7.1	7.0	7.1	6.3	5.7	6.1	5.7	5.3	5.5	

Sample Size Men (M) 1,076; Women (W) 1,134; Total (T) 2,210

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	37	51	44	28	29	29	47	53	50	33	35	34	37	44	41	A (4)
B (3)	39	37	38	34	34	34	33	32	32	33	37	35	45	46	45	B (3)
C (2)	20	10	15	27	24	25	14	12	13	22	17	19	17	10	13	C (2)
D (1)	3	1	2	6	6	6	2	1	2	3	2	3	1	0	0	D (1)
F (0)	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	1	1	1	4	5	5	4	3	4	9	9	9				Not Taken
Mean	3.10	3.39	3.25	2.85	2.88	2.87	3.29	3.40	3.34	3.04	3.16	3.10	3.05	3.21	3.13	
Std. Dev.	0.85	0.72	0.80	0.95	0.96	0.95	0.81	0.74	0.78	0.87	0.80	0.84	0.68	0.59	0.64	

Sample Size Men (M) 997; Women (W) 1,047; Total (T) 2,044

[a]Rounded to the nearest whole letter grade.

TABLE C.35

ACT Score and High School Grade Norms for Students Enrolled in Midwest Region 2-Year Colleges

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32
31	99	99	99	99	99	99	99	99	99	97	99	98	99	99	99	31
30	99	99	99	98	99	99	99	99	99	94	98	96	99	99	99	30
29	99	99	99	97	98	98	98	98	98	90	96	93	99	99	99	29
28	99	99	99	95	97	96	97	98	97	86	94	91	99	99	99	28
27	99	98	99	92	95	94	95	97	96	82	91	88	97	98	98	27
26	99	97	98	89	93	91	93	94	94	78	88	84	95	96	96	26
25	98	96	97	86	91	89	89	91	90	74	84	80	92	94	93	25
24	97	93	94	84	89	87	85	87	86	69	80	75	88	91	90	24
23	94	88	91	81	86	84	80	83	81	65	75	71	83	86	85	23
22	90	81	85	77	84	81	76	79	77	60	70	66	79	82	80	22
21	85	73	78	74	81	78	72	75	74	54	64	60	74	77	76	21
20	78	65	70	69	77	74	68	70	69	49	58	54	68	72	70	20
19	71	57	63	64	72	69	63	67	65	44	53	49	62	65	64	19
18	64	49	55	58	67	64	59	63	61	39	47	44	56	59	58	18
17	57	43	48	54	63	59	55	59	58	34	40	38	50	53	52	17
16	51	36	42	48	58	54	51	56	54	28	33	31	44	47	46	16
15	45	31	37	43	54	50	47	52	50	21	25	23	36	40	39	15
14	39	26	32	39	49	45	43	48	46	15	18	17	30	33	32	14
13	33	22	26	33	44	40	39	43	41	12	14	13	24	26	25	13
12	27	16	21	29	37	34	34	38	37	9	10	9	18	19	19	12
11	21	12	16	24	32	29	28	32	31	6	7	7	12	14	13	11
10	15	8	11	19	27	24	22	26	24	4	5	5	8	9	9	10
9	11	6	8	15	22	19	17	20	19	3	4	3	5	6	5	9
8	7	4	5	12	17	15	12	14	13	2	2	2	3	3	3	8
7	4	2	3	9	12	11	7	9	8	1	1	1	2	2	2	7
6	2	1	2	6	8	7	5	6	6	1	1	1	1	1	1	6
5	1	1	1	4	5	5	3	4	3	1	1	1	1	1	1	5
4	1	1	1	3	3	3	1	2	1	1	1	1	1	1	1	4
3	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	15.6	17.5	16.7	16.5	14.9	15.5	16.1	15.4	15.7	20.4	18.9	19.5	17.3	16.8	17.0	
Std. Dev.	5.0	5.0	5.1	6.9	6.7	6.9	6.8	6.7	6.7	6.2	5.6	5.9	5.3	5.1	5.2	

Sample Size Men (M): 1,098. Women (W): 1,643. Total (T): 2,741

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	14	29	23	12	18	16	21	26	24	14	19	17	13	22	19	A (4)
B (3)	44	48	46	31	32	32	41	42	42	36	36	36	54	54	54	B (3)
C (2)	34	20	26	35	34	34	28	22	25	30	29	29	31	22	26	C (2)
D (1)	6	2	4	11	7	9	5	4	4	6	4	5	2	1	1	D (1)
F (0)	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	2	1	2	10	8	9	5	5	5	14	12	13				Not Taken
Mean	2.66	3.05	2.89	2.46	2.65	2.57	2.82	2.95	2.90	2.66	2.80	2.74	2.65	2.86	2.78	
Std. Dev.	0.82	0.76	0.81	0.91	0.91	0.92	0.84	0.84	0.84	0.84	0.84	0.84	0.63	0.63	0.64	

Sample Size Men (M): 957. Women (W): 1,427. Total (T): 2,384

[a]Rounded to the nearest whole letter grade

TABLE 2.36

ACT Score and High School Grade Norms for Students Enrolled in Midwest Region 4-Year Colleges

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	98	99	98	99	99	99	97	99	98	99	99	99	33
32	99	99	99	97	98	98	99	99	99	95	98	96	99	99	99	32
31	99	99	99	96	98	97	97	98	98	90	96	93	99	99	99	31
30	99	98	98	95	97	96	95	97	96	85	93	89	98	98	98	30
29	98	97	98	92	95	94	93	95	95	79	88	84	96	97	97	29
28	98	96	97	87	92	90	91	94	92	75	84	80	93	95	94	28
27	96	94	95	82	88	85	88	91	89	70	79	75	89	92	90	27
26	95	91	93	77	83	81	83	86	84	65	73	70	85	88	86	26
25	93	88	90	73	80	77	77	80	79	60	69	65	79	83	81	25
24	91	84	87	70	77	74	72	74	73	55	64	60	74	77	76	24
23	87	77	81	65	73	70	66	69	68	49	59	55	68	71	70	23
22	80	67	73	60	70	66	61	64	63	45	53	49	62	66	64	22
21	72	57	64	56	66	62	56	60	58	40	47	44	56	60	58	21
20	64	49	56	52	61	57	52	55	53	36	42	40	50	54	52	20
19	56	41	48	48	56	53	48	50	49	32	37	35	44	47	46	19
18	49	35	41	43	51	47	45	47	46	28	32	30	39	41	40	18
17	42	29	35	38	47	43	42	44	43	24	27	26	34	35	35	17
16	36	25	30	34	43	39	39	40	40	20	22	21	29	30	30	16
15	32	21	26	31	39	35	36	37	36	16	17	16	25	25	25	15
14	28	18	21	28	36	32	32	33	32	13	12	12	21	21	21	14
13	21	14	17	24	31	28	28	29	29	10	9	9	16	17	17	13
12	17	11	13	19	27	23	25	26	26	7	7	7	13	13	13	12
11	13	9	11	16	23	20	21	21	21	6	5	5	10	9	9	11
10	10	6	8	13	20	17	17	17	17	5	3	4	7	7	7	10
9	7	4	5	11	16	14	14	13	13	3	3	3	5	4	4	9
8	5	3	4	8	13	11	10	10	10	2	2	2	3	3	3	8
7	3	2	2	6	9	8	7	6	7	2	1	2	2	2	2	7
6	2	1	1	4	6	5	5	4	4	1	1	1	1	1	1	6
5	1	1	1	3	4	4	2	3	2	1	1	1	1	1	1	5
4	1	1	1	2	3	3	1	1	1	1	1	1	1	1	1	4
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	17.6	19.3	18.6	19.2	17.5	18.2	18.5	18.1	18.2	22.4	21.3	21.8	19.5	19.2	19.3	
Std. Dev.	5.4	5.3	5.4	7.5	7.6	7.6	7.5	7.2	7.3	6.9	6.2	6.5	6.0	5.8	5.9	

Sample Size Men (M): 1,104; Women (W): 1,417; Total (T): 2,521

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	25	46	37	23	27	25	35	43	40	25	29	27	26	38	33	A (4)
B (3)	46	38	41	33	32	32	40	36	38	35	37	36	51	47	49	B (3)
C (2)	25	13	18	29	28	28	19	15	17	26	20	23	21	14	17	C (2)
D (1)	3	2	2	10	6	8	2	2	2	3	3	3	1	1	1	D (1)
F (0)	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	1	1	1	5	7	6	4	4	4	10	11	11				Not Taken
Mean	2.94	3.29	3.14	2.70	2.84	2.78	3.11	3.25	3.19	2.90	3.04	2.98	2.90	3.10	3.01	
Std. Dev.	0.80	0.77	0.80	0.97	0.94	0.96	0.82	0.79	0.80	0.86	0.83	0.85	0.66	0.65	0.66	

Sample Size Men (M): 1,012; Women (W): 1,263; Total (T): 2,275

[a]Rounded to the nearest whole letter grade

TABLE 2.37

ACT Score and High School Grade Norms for Students Enrolled in Midwest Region Master's Level Colleges

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	98	99	99	99	99	99	98	99	99	99	99	99	33
32	99	99	99	97	99	98	96	99	99	96	99	97	99	99	99	32
31	99	99	99	96	99	98	99	99	99	92	97	95	99	99	99	31
30	99	99	99	95	98	97	97	99	98	88	94	91	98	99	99	30
29	99	99	99	93	97	95	95	98	96	83	90	87	97	99	98	29
28	98	98	98	89	95	92	92	96	94	78	87	83	94	97	96	28
27	98	96	97	83	92	88	88	94	92	74	83	79	91	95	93	27
26	97	94	95	78	87	83	83	90	87	69	78	74	87	92	89	26
25	95	91	93	73	84	79	78	85	82	63	73	68	81	88	85	25
24	92	87	89	69	81	76	72	79	76	57	67	63	76	82	80	24
23	88	80	84	64	77	72	67	74	71	51	62	57	70	77	74	23
22	82	71	76	60	74	68	62	69	66	46	57	52	63	70	67	22
21	73	62	67	55	70	63	57	64	61	41	51	46	57	64	61	21
20	65	52	58	51	65	59	52	59	56	35	47	41	51	57	54	20
19	56	43	49	46	60	53	48	54	51	30	40	35	44	51	48	19
18	49	36	42	40	54	48	44	50	47	25	33	30	37	44	41	18
17	42	30	35	35	49	43	40	46	43	20	27	24	31	37	34	17
16	36	25	29	31	43	38	36	43	40	16	21	19	26	30	28	16
15	30	20	24	27	39	34	33	39	36	12	15	14	21	25	23	15
14	25	16	20	24	35	30	28	35	32	9	10	10	16	20	18	14
13	19	12	15	21	30	26	25	30	28	7	7	7	12	14	13	13
12	15	9	12	17	25	21	21	25	24	5	5	5	9	10	10	12
11	12	6	9	13	21	18	17	20	19	4	4	4	6	7	7	11
10	8	5	6	11	18	15	13	15	14	3	3	3	4	5	4	10
9	5	3	4	8	15	12	9	11	10	2	2	2	2	3	3	9
8	3	2	2	6	11	9	6	7	7	1	1	1	1	1	1	8
7	2	1	1	4	8	6	4	4	4	1	1	1	1	1	1	7
6	1	1	1	2	5	4	3	3	3	1	1	1	1	1	1	6
5	1	1	1	2	4	3	1	1	1	1	1	1	1	1	1	5
4	1	1	1	1	3	2	1	1	1	1	1	1	1	1	1	4
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	17.6	19.1	18.5	19.6	17.1	18.2	20.8	17.6	18.1	22.5	21.0	21.6	19.7	18.8	19.2	
Std. Dev.	5.0	4.8	5.0	7.1	7.0	7.1	6.9	6.6	6.8	6.2	5.7	6.0	5.4	5.1	5.3	

Sample Size Men (M): 1,535. Women (W): 1,967. Total (T): 3,502.

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	22	42	33	21	23	22	32	40	37	22	26	24	24	32	28	A (4)
B (3)	48	43	45	32	35	34	44	40	42	39	39	39	53	54	54	B (3)
C (2)	25	13	19	33	28	30	19	16	17	27	22	24	22	14	17	C (2)
D (1)	3	1	2	9	6	7	2	2	2	3	3	3	1	0	1	D (1)
F (0)	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	1	0	1	5	7	6	2	2	2	8	11	10				Not Taken
Mean	2.89	3.26	3.10	2.66	2.80	2.74	3.08	3.21	3.15	2.87	2.98	2.93	2.86	3.06	2.97	
Std. Dev.	0.79	0.74	0.78	0.95	0.91	0.93	0.80	0.78	0.79	0.84	0.81	0.82	0.65	0.60	0.63	

Sample Size Men (M): 1,424. Women (W): 1,780. Total (T): 3,204.

[a]Rounded to the nearest whole letter grade.

TABLE 2.38

ACT Score and High School Grade Norms for Students Enrolled in Midwest Region PhD Level Colleges

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	98	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	96	99	97	99	99	99	96	99	98	99	99	99	33
32	99	99	99	94	98	96	98	99	98	92	97	95	99	99	99	32
31	99	99	99	92	97	95	96	98	97	86	95	90	98	99	99	31
30	99	98	98	89	96	93	94	97	96	79	91	85	96	98	97	30
29	98	97	97	85	93	89	91	95	93	72	86	79	93	96	95	29
28	97	95	96	78	89	84	87	93	90	66	82	74	89	94	91	28
27	96	93	94	70	84	77	83	90	86	61	77	69	83	90	87	27
26	93	90	92	63	78	71	76	84	80	55	71	63	77	85	81	26
25	91	87	89	58	74	66	69	78	74	49	65	57	69	80	75	25
24	86	82	84	53	70	62	62	72	67	43	59	51	62	73	68	24
23	80	74	77	48	66	57	55	66	61	38	54	46	55	67	61	23
22	71	64	67	44	61	53	50	60	55	32	48	41	48	60	54	22
21	61	53	57	39	57	48	45	55	50	27	42	35	41	53	47	21
20	52	44	48	34	52	43	40	50	46	23	37	30	34	46	40	20
19	44	37	40	29	47	38	36	46	41	19	31	26	28	40	34	19
18	37	31	34	25	41	33	33	42	37	16	26	21	22	34	28	18
17	31	26	28	21	37	29	29	37	33	13	22	17	18	28	23	17
16	25	21	23	18	33	25	26	34	30	10	17	13	15	23	19	16
15	20	17	19	15	30	23	24	31	27	7	12	9	11	18	15	15
14	16	14	15	13	26	20	20	28	24	5	8	7	9	15	12	14
13	12	11	12	11	22	17	17	24	21	4	6	5	7	11	9	13
12	9	9	9	9	18	13	14	20	17	3	5	4	5	8	7	12
11	7	7	7	7	15	11	11	16	14	2	3	3	4	6	5	11
10	5	5	5	6	13	9	8	12	10	1	2	2	2	4	3	10
9	3	3	3	5	10	8	6	9	7	1	1	1	1	2	2	9
8	2	2	2	3	8	6	4	6	5	1	1	1	1	1	1	8
7	1	1	1	2	6	4	3	4	3	1	1	1	1	1	1	7
6	1	1	1	1	4	3	2	2	2	1	1	1	1	1	1	6
5	1	1	1	1	3	2	1	1	1	1	1	1	1	1	1	5
4	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	4
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	19.1	19.9	19.5	22.4	19.2	20.8	20.7	19.0	19.8	24.5	22.1	23.3	21.8	20.2	21.0	
Std. Dev.	4.9	5.1	5.0	6.9	7.3	7.3	6.8	6.8	6.9	5.9	5.9	6.0	5.3	5.4	5.4	

Sample Size Men (M): 3,903. Women (W): 4,103. Total (T): 8,006.

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	30	46	38	28	27	27	41	47	44	31	32	31	34	38	36	A (4)
B (3)	47	42	45	36	37	36	40	37	39	38	37	37	51	51	51	B (3)
C (2)	19	11	15	26	25	25	14	12	13	20	19	20	14	10	12	C (2)
D (1)	2	1	2	6	6	6	2	1	2	3	2	3	1	0	1	D (1)
F (0)	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	1	0	1	4	5	4	3	3	3	8	9	9				Not Taken
Mean	3.06	3.33	3.20	2.87	2.88	2.87	3.25	3.32	3.29	3.03	3.09	3.06	3.04	3.15	3.10	
Std. Dev.	0.78	0.71	0.76	0.94	0.92	0.93	0.77	0.75	0.76	0.85	0.81	0.83	0.64	0.59	0.61	

Sample Size Men (M): 3,705. Women (W): 3,831. Total (T): 7,536.

[a]Rounded to the nearest whole letter grade.

TABLE 2.39

ACT Score and High School Grade Norms for Students Enrolled in South/Southeast Region 2-Year Colleges

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32
31	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	31
30	99	99	99	99	99	99	99	99	99	97	99	98	99	99	99	30
29	99	99	99	99	99	99	98	99	99	96	98	97	99	99	99	29
28	99	99	99	98	99	99	97	99	98	93	96	95	99	99	99	28
27	99	98	99	97	99	98	96	99	98	91	95	94	99	99	99	27
26	99	98	98	96	98	97	95	98	97	88	93	91	97	99	98	26
25	99	97	98	94	97	96	93	97	95	85	91	89	96	98	97	25
24	97	96	97	92	96	94	90	95	93	83	88	86	93	96	95	24
23	95	93	94	90	94	93	86	92	90	79	86	83	91	95	93	23
22	93	88	90	88	93	91	84	89	87	74	82	79	89	92	91	22
21	89	82	85	86	91	89	81	86	84	69	78	74	86	89	88	21
20	84	76	79	83	89	87	77	82	80	63	73	69	81	85	84	20
19	77	69	72	80	87	84	74	79	77	57	68	64	76	81	79	19
18	71	61	65	75	83	80	71	77	75	51	62	58	70	75	73	18
17	65	54	58	70	81	77	67	74	71	44	55	51	64	70	68	17
16	59	49	52	66	77	73	64	71	68	38	49	44	58	64	62	16
15	52	43	47	61	72	68	60	67	65	30	40	36	51	58	55	15
14	46	39	41	57	68	64	55	63	60	23	31	28	44	51	48	14
13	40	33	36	50	62	58	51	57	55	18	25	22	36	42	40	13
12	33	27	30	43	55	50	47	52	50	14	20	18	29	35	33	12
11	27	21	23	37	49	44	41	46	44	11	16	14	22	28	26	11
10	20	16	17	32	43	38	33	39	37	8	13	11	15	20	18	10
9	14	11	12	25	36	31	26	32	30	6	9	8	10	14	12	9
8	9	8	8	19	29	25	21	24	23	4	7	6	7	8	8	8
7	6	5	5	15	23	20	15	16	16	2	5	4	4	5	4	7
6	3	3	3	10	17	14	10	11	11	2	3	2	1	2	2	6
5	2	2	2	8	12	11	6	7	7	1	1	1	1	1	1	5
4	1	1	1	6	9	8	3	4	4	1	1	1	1	1	1	4
3	1	1	1	3	5	4	2	2	2	1	1	1	1	1	1	3
2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	14.7	15.8	15.4	13.7	11.8	12.6	14.1	12.9	13.4	18.2	16.7	17.3	15.3	14.4	14.8	
Std. Dev.	7.0	5.3	5.2	6.4	6.0	6.2	6.8	6.2	6.5	5.9	5.7	5.8	5.1	4.9	5.0	

Sample Size Men (M), 629; Women (W), 1,011; Total (T), 1,640

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	13	22	19	13	15	14	22	26	25	13	19	17	15	20	18	A (4)
B (3)	36	46	42	33	34	34	38	41	40	33	35	34	45	53	50	B (3)
C (2)	39	26	31	34	31	32	29	22	25	30	25	27	38	26	31	C (2)
D (1)	9	3	5	9	9	9	5	4	4	7	3	5	2	1	1	D (1)
F (0)	1	0	1	2	1	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	2	2	2	10	11	11	6	6	6	16	17	17				Not Taken
Mean	2.51	2.90	2.75	2.50	2.60	2.56	2.83	2.95	2.90	2.62	2.83	2.75	2.61	2.81	2.74	
Std. Dev.	0.87	0.79	0.84	0.93	0.90	0.92	0.85	0.84	0.85	0.86	0.84	0.85	0.66	0.64	0.66	

Sample Size Men (M), 510; Women (W), 824; Total (T), 1,334

[a]Rounded to the nearest whole letter grade

TABLE 2.40

ACT Score and High School Grade Norms for Students Enrolled in South/Southeast Region 4-Year Colleges

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	97	99	99	99	99	99	32
31	99	99	99	99	99	99	99	99	99	95	99	97	99	99	99	31
30	99	99	99	98	99	98	98	99	99	92	98	95	99	99	99	30
29	99	98	98	97	98	97	97	99	98	88	96	92	99	99	99	29
28	99	97	98	95	97	96	95	97	96	84	93	89	97	98	98	28
27	98	96	97	91	95	93	93	95	94	82	90	86	94	96	95	27
26	97	94	96	87	92	90	90	92	91	78	85	82	91	94	92	26
25	95	92	93	84	90	87	86	88	87	73	80	77	87	91	89	25
24	92	88	90	81	88	85	80	84	82	68	77	73	82	88	85	24
23	88	83	85	77	87	83	75	80	78	62	74	69	78	83	81	23
22	82	76	79	74	85	80	70	77	74	58	70	65	74	79	77	22
21	75	69	72	71	81	77	66	73	70	55	65	61	68	75	72	21
20	67	63	64	69	77	74	62	67	65	51	60	56	62	70	67	20
19	60	56	57	65	73	70	58	63	61	47	55	52	57	64	61	19
18	53	48	50	59	70	66	55	60	58	43	49	47	52	59	56	18
17	48	43	45	55	67	62	53	57	55	38	43	41	48	53	51	17
16	43	37	40	50	62	57	49	54	52	34	38	36	43	47	46	16
15	39	32	35	45	59	53	46	50	48	29	31	30	38	43	41	15
14	35	28	31	41	55	49	42	45	44	24	24	24	34	38	36	14
13	31	24	27	36	51	44	39	43	41	20	19	19	30	33	32	13
12	27	20	23	31	46	40	37	40	39	16	15	15	26	28	27	12
11	23	16	19	28	40	35	34	36	35	13	11	12	21	22	21	11
10	18	13	15	24	34	30	31	31	31	9	8	9	16	15	16	10
9	13	10	11	20	29	25	26	26	26	6	6	6	12	10	11	9
8	10	7	8	16	25	21	20	21	20	5	5	5	8	7	7	8
7	6	4	5	13	19	17	15	15	15	4	3	4	5	4	5	7
6	4	3	3	9	13	12	11	9	10	3	2	3	4	3	3	6
5	3	1	2	6	10	9	8	6	7	2	2	2	2	1	2	5
4	1	1	1	4	8	6	5	3	4	2	1	1	1	1	1	4
3	1	1	1	3	4	4	2	1	2	2	1	1	1	1	1	3
2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	16.4	17.6	17.1	16.2	13.9	14.9	16.1	15.4	15.7	19.7	18.5	19.0	17.2	16.5	16.8	
Std. Dev.	5.9	5.9	5.9	7.5	7.4	7.5	7.9	7.4	7.6	7.3	6.3	6.7	6.4	6.0	6.2	

Sample Size Men (M): 373; Women (W): 536; Total (T): 909

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	21	37	30	17	21	19	36	39	37	19	24	22	22	30	27	A (4)
B (3)	43	44	43	34	33	34	32	35	34	39	36	37	52	50	50	B (3)
C (2)	30	15	21	33	32	32	25	18	21	26	23	24	26	20	22	C (2)
D (1)	5	3	4	8	6	7	2	3	3	6	4	5	1	1	1	D (1)
F (0)	0	0	0	1	1	1	0	0	0	1	0	0	0	0	0	F (0)
Not Taken	1	1	1	7	8	7	5	5	5	9	12	11				Not Taken
Mean	2.82	3.15	3.02	2.63	2.74	2.70	3.07	3.14	3.12	2.77	2.91	2.86	2.82	2.98	2.92	
Std. Dev.	0.82	0.80	0.83	0.91	0.90	0.90	0.84	0.86	0.85	0.87	0.85	0.86	0.64	0.66	0.66	

Sample Size Men (M): 320; Women (W): 478; Total (T): 798

[a]Rounded to the nearest whole letter grade

TABLE 2.41

ACT Score and High School Grade Norms for Students Enrolled in South/Southeast Region Master's Level Colleges

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**33**
32	99	99	99	99	99	99	99	99	99	98	99	99	99	99	99	**32**
31	99	99	99	99	99	99	99	99	99	96	99	98	99	99	99	**31**
30	99	99	99	99	99	99	98	99	99	94	98	96	99	99	99	**30**
29	99	99	99	98	99	99	97	99	98	92	96	95	99	99	99	**29**
28	99	99	99	96	98	97	96	98	97	89	95	92	98	99	98	**28**
27	98	98	98	94	97	96	94	97	96	86	93	90	96	98	97	**27**
26	98	97	97	91	95	93	92	96	94	82	90	87	94	97	96	**26**
25	97	95	96	88	94	91	89	93	91	78	87	83	91	95	93	**25**
24	95	93	94	85	92	89	86	90	88	74	84	80	88	93	91	**24**
23	92	90	91	82	90	87	82	86	84	70	80	76	84	90	87	**23**
22	88	84	85	79	88	84	78	83	81	66	76	71	80	86	84	**22**
21	82	77	79	76	86	82	75	79	77	61	71	67	76	82	80	**21**
20	75	70	72	73	83	79	71	76	74	56	66	62	71	79	75	**20**
19	70	63	66	68	80	75	67	73	70	51	61	57	66	74	71	**19**
18	64	57	60	63	76	71	64	69	67	46	55	51	60	69	65	**18**
17	58	51	54	59	72	66	60	66	64	40	48	45	54	63	59	**17**
16	52	44	48	54	68	62	56	64	60	33	42	38	49	56	53	**16**
15	46	38	42	50	64	58	52	60	57	26	33	30	43	49	47	**15**
14	40	33	36	46	60	54	48	56	52	20	25	23	37	42	40	**14**
13	34	27	30	40	54	48	45	51	48	16	20	18	30	35	33	**13**
12	28	22	24	35	48	42	40	46	44	12	15	14	24	29	26	**12**
11	22	16	19	30	42	37	35	41	38	9	11	10	18	22	20	**11**
10	17	12	14	26	37	32	29	34	32	6	7	7	13	15	14	**10**
9	12	8	10	21	31	27	23	28	26	5	5	5	9	10	9	**9**
8	8	5	6	16	26	22	17	21	19	3	4	4	5	5	5	**8**
7	5	3	4	12	20	16	12	14	13	2	2	2	3	3	3	**7**
6	3	2	2	8	13	11	8	9	9	2	1	1	1	1	1	**6**
5	1	1	1	5	9	8	5	5	5	1	1	1	1	1	1	**5**
4	1	1	1	4	6	5	3	3	3	1	1	1	1	1	1	**4**
3	1	1	1	2	3	3	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	15.7	16.7	16.2	15.5	13.2	14.2	15.3	14.1	14.6	19.4	17.8	18.5	16.6	15.6	16.0	
Std. Dev.	5.4	5.3	5.4	7.1	6.6	6.9	7.2	6.8	7.0	6.4	5.8	6.1	5.7	5.3	5.5	

Sample Size Men (M): 1,401 Women (W): 1,847 Total (T): 3,248

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	18	32	26	16	21	19	28	35	32	17	22	20	18	29	24	**A (4)**
B (3)	40	42	41	33	32	32	40	37	39	35	37	36	49	50	49	**B (3)**
C (2)	35	22	28	33	29	30	24	18	21	30	22	25	31	21	25	**C (2)**
D (1)	6	3	4	10	8	9	4	3	3	5	3	4	2	1	1	**D (1)**
F (0)	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	**F (0)**
Not Taken	1	1	1	7	10	9	4	6	5	13	16	14				**Not Taken**
Mean	2.70	3.04	2.89	2.57	2.71	2.65	2.95	3.11	3.04	2.73	2.92	2.84	2.73	2.94	2.85	
Std. Dev.	0.84	0.82	0.85	0.94	0.95	0.95	0.89	0.83	0.85	0.85	0.83	0.85	0.67	0.66	0.67	

Sample Size Men (M): 1,235 Women (W): 1,571 Total (T): 2,806

[a]Rounded to the nearest whole letter grade.

TABLE 2.42

ACT Score and High School Grade Norms for Students Enrolled in South/Southeast Region PhD Level Colleges

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	98	99	99	99	99	99	**33**
32	99	99	99	98	99	99	99	99	99	95	99	97	99	99	99	**32**
31	99	99	99	97	99	98	98	99	99	91	98	94	99	99	99	**31**
30	99	99	99	96	99	97	96	99	98	86	95	91	98	99	99	**30**
29	99	98	98	94	98	96	94	98	96	81	93	87	96	98	97	**29**
28	98	97	97	90	96	93	91	96	94	76	90	83	94	97	95	**28**
27	97	95	96	84	93	89	88	94	91	72	86	79	90	95	93	**27**
26	95	93	94	79	89	84	83	91	87	67	82	75	85	92	89	**26**
25	93	90	91	74	86	80	79	87	83	61	78	70	80	89	85	**25**
24	89	85	87	70	84	77	74	83	78	56	73	64	75	84	80	**24**
23	84	80	82	66	80	73	68	78	73	50	68	59	69	79	74	**23**
22	77	71	74	62	77	69	63	74	69	45	63	54	63	74	69	**22**
21	70	63	66	57	73	65	59	70	65	40	57	49	56	69	63	**21**
20	62	54	58	52	68	60	54	65	60	35	51	43	50	63	57	**20**
19	54	45	49	46	63	55	51	61	56	31	46	39	44	57	51	**19**
18	47	38	42	41	58	50	47	57	52	26	39	33	39	50	45	**18**
17	40	32	36	37	53	45	43	53	48	21	33	27	34	43	39	**17**
16	34	26	30	33	48	41	40	49	44	17	26	22	28	37	32	**16**
15	28	21	25	29	44	37	36	45	41	13	20	16	22	30	26	**15**
14	23	18	20	26	40	33	33	40	37	10	14	12	18	24	21	**14**
13	19	14	16	22	35	29	29	36	32	7	11	9	14	19	17	**13**
12	14	11	12	18	30	24	25	31	28	6	8	7	10	15	12	**12**
11	10	8	9	15	26	20	21	26	23	4	6	5	7	10	9	**11**
10	7	6	7	12	22	17	16	21	18	3	4	3	5	7	6	**10**
9	5	5	5	10	18	14	12	16	14	2	3	2	3	5	4	**9**
8	3	3	3	8	15	12	8	12	10	1	2	2	2	3	3	**8**
7	2	2	2	6	11	9	5	8	7	1	1	1	1	2	1	**7**
6	1	1	1	4	8	6	3	5	4	1	1	1	1	1	1	**6**
5	1	1	1	2	5	4	2	3	2	1	1	1	1	1	1	**5**
4	1	1	1	2	4	3	1	2	1	1	1	1	1	1	1	**4**
3	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	18.0	19.0	18.5	19.2	16.3	17.7	18.3	16.5	17.4	22.5	20.0	21.2	19.7	18.1	18.8	
Std. Dev.	5.2	5.2	5.2	7.2	7.1	7.3	7.2	6.9	7.1	6.4	5.9	6.2	5.7	5.4	5.6	

Sample Size Men (M): 2,043; Women (W): 2,178; Total (T): 4,221

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	24	39	32	25	25	25	38	43	40	26	29	28	29	35	32	**A (4)**
B (3)	45	42	43	33	35	34	36	35	36	36	36	36	48	49	48	**B (3)**
C (2)	25	17	21	28	26	27	18	14	16	24	22	23	22	15	19	**C (2)**
D (1)	5	2	3	8	7	7	2	2	2	4	2	3	1	1	1	**D (1)**
F (0)	1	0	0	2	1	1	0	0	0	0	0	0	0	0	0	**F (0)**
Not Taken	0	0	0	4	5	5	5	5	5	9	11	10				**Not Taken**
Mean	2.88	3.17	3.03	2.75	2.81	2.78	3.14	3.25	3.20	2.92	3.03	2.97	2.91	3.06	2.98	
Std. Dev.	0.85	0.79	0.83	0.99	0.94	0.97	0.84	0.81	0.83	0.88	0.83	0.86	0.70	0.65	0.68	

Sample Size Men (M): 1,882; Women (W): 1,971; Total (T): 3,853

[a]Rounded to the nearest whole letter grade

TABLE 2.43

ACT Score and High School Grade Norms for Students Enrolled in East/Northeast Region 2-Year Colleges

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	[illegible]	[illegible]	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	[illegible]	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**33**
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**32**
31	99	99	99	99	99	99	99	99	99	97	99	98	99	99	99	**31**
30	99	99	99	99	99	99	98	99	99	95	98	97	99	99	99	**30**
29	99	99	99	98	99	99	97	99	98	93	96	95	99	99	99	**29**
28	99	99	99	97	99	98	97	98	98	90	94	92	99	99	99	**28**
27	99	99	99	95	98	97	96	97	96	88	91	90	98	98	98	**27**
26	99	99	99	93	97	95	94	95	95	84	88	87	96	98	97	**26**
25	99	98	98	90	95	93	91	92	92	80	85	83	94	96	95	**25**
24	98	96	96	88	93	91	87	90	89	75	82	80	91	94	93	**24**
23	96	92	94	85	91	89	83	87	85	71	79	76	87	91	90	**23**
22	93	87	90	81	90	86	79	84	82	66	75	72	84	88	86	**22**
21	90	81	84	78	87	83	76	80	79	62	71	67	80	83	82	**21**
20	86	73	78	73	85	80	71	76	74	56	64	61	76	79	78	**20**
19	80	65	72	68	82	76	67	71	70	51	58	55	71	74	73	**19**
18	75	58	65	64	77	72	66	68	67	44	51	48	65	68	66	**18**
17	69	50	58	59	72	67	63	64	64	37	42	40	59	61	60	**17**
16	63	44	52	53	67	61	60	61	61	32	35	34	52	54	53	**16**
15	55	38	45	48	63	57	57	57	57	26	28	27	44	46	45	**15**
14	48	32	38	43	58	52	52	53	53	20	21	20	36	38	37	**14**
13	41	26	32	38	52	46	46	49	48	15	15	15	30	31	31	**13**
12	35	21	27	31	46	40	42	43	43	12	11	11	23	25	24	**12**
11	29	18	22	26	39	34	36	36	36	9	8	8	17	19	18	**11**
10	22	13	17	22	33	29	29	30	30	6	6	6	12	13	12	**10**
9	16	9	12	18	28	24	22	24	23	4	4	4	7	7	7	**9**
8	10	5	7	14	22	19	16	17	17	3	3	3	5	4	4	**8**
7	6	3	4	10	16	14	11	11	11	2	2	2	2	2	2	**7**
6	3	1	2	8	11	10	7	8	7	1	2	2	1	1	1	**6**
5	1	1	1	6	8	7	3	5	4	1	1	1	1	1	1	**5**
4	1	1	1	5	6	5	2	2	2	1	1	1	1	1	1	**4**
3	1	1	1	2	3	3	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	14.4	16.4	15.6	15.6	13.3	14.3	15.0	14.5	14.7	19.3	18.4	18.8	16.2	15.8	16.0	
Std. Dev.	5.0	5.0	5.1	6.7	6.3	6.6	6.9	6.6	6.7	6.2	5.7	5.9	5.3	4.9	5.1	

Sample Size Men (M) 473; Women (W) 677; Total (T) 1,150

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	8	23	16	9	14	12	13	21	18	8	12	10	5	14	10	**A (4)**
B (3)	44	50	47	32	33	33	42	44	43	37	35	36	52	59	56	**B (3)**
C (2)	39	24	30	36	35	35	39	27	32	34	30	32	42	25	32	**C (2)**
D (1)	6	3	4	12	6	9	4	5	5	6	5	5	1	2	2	**D (1)**
F (0)	2	0	1	3	2	3	0	0	0	1	1	1	0	0	0	**F (0)**
Not Taken	1	1	1	7	10	9	3	3	3	15	16	16				**Not Taken**
Mean	2.52	2.93	2.76	2.33	2.55	2.46	2.64	2.62	2.75	2.53	2.63	2.59	2.50	2.73	2.64	
Std. Dev.	0.79	0.76	0.80	0.95	0.92	0.94	0.76	0.84	0.81	0.81	0.84	0.83	0.57	0.62	0.61	

Sample Size Men (M) 411; Women (W) 558; Total (T) 969

[a]Rounded to the nearest whole letter grade

TABLE 2.44

ACT Score and High School Grade Norms for Students Enrolled in East/Northeast Region 4-Year Colleges

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	98	99	99	99	99	99	97	99	98	99	99	99	33
32	99	99	99	97	99	98	99	99	99	94	98	96	99	99	99	32
31	99	98	99	95	99	97	97	98	98	90	96	93	99	99	99	31
30	99	98	98	92	99	95	95	98	96	83	93	88	97	98	97	30
29	98	97	97	88	97	92	93	96	95	77	90	84	95	97	96	29
28	98	96	97	83	94	88	89	95	92	73	88	80	91	96	94	28
27	96	95	95	77	92	84	86	93	89	70	84	77	86	94	90	27
26	94	93	94	72	89	80	83	90	86	67	81	74	81	91	86	26
25	92	91	92	68	87	77	80	85	83	63	76	70	77	88	82	25
24	89	87	88	66	84	75	75	80	78	59	71	65	74	84	79	24
23	85	82	83	64	82	73	70	74	72	53	67	60	69	79	74	23
22	78	74	76	62	80	71	64	70	67	48	62	55	64	74	69	22
21	70	65	67	59	77	68	60	66	63	41	57	49	59	70	64	21
20	62	58	60	57	73	65	57	63	60	36	52	43	53	64	59	20
19	56	50	53	52	68	60	54	60	57	31	46	39	47	58	53	19
18	50	41	46	47	63	55	51	55	53	27	41	34	42	54	48	18
17	44	35	40	43	58	51	47	52	50	21	34	27	38	48	43	17
16	39	31	35	39	54	47	44	50	47	18	26	22	34	42	38	16
15	33	27	30	35	49	42	40	47	43	15	20	17	28	34	31	15
14	28	22	25	31	44	38	35	42	38	11	15	13	23	27	25	14
13	24	17	20	27	39	33	32	37	35	9	12	10	19	20	20	13
12	19	14	16	23	33	28	29	32	31	7	9	8	15	15	15	12
11	14	10	12	19	27	23	25	27	26	5	5	5	11	11	11	11
10	11	6	9	16	22	19	19	21	20	3	3	3	7	7	7	10
9	9	3	6	13	17	15	15	16	15	2	2	2	4	3	4	9
8	7	2	5	11	14	12	10	11	11	1	1	1	2	2	2	8
7	4	1	3	9	9	9	5	8	6	1	1	1	1	1	1	7
6	2	1	1	7	5	6	2	5	4	1	1	1	1	1	1	6
5	1	1	1	5	3	4	1	3	2	1	1	1	1	1	1	5
4	1	1	1	4	2	3	1	1	1	1	1	1	1	1	1	4
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	17.5	18.6	18.0	18.9	15.9	17.4	17.9	16.7	17.3	22.5	20.2	21.4	19.3	18.0	18.7	
Std. Dev.	5.7	5.4	5.6	8.3	6.9	7.8	7.5	7.2	7.4	6.6	6.0	6.4	6.3	5.6	6.0	

Sample Size Men (M): 269 Women (W): 261 Total (T): 530

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	23	36	29	24	25	25	36	46	41	28	25	27	32	37	34	A (4)
B (3)	40	45	42	30	33	32	35	35	35	32	37	34	38	45	41	B (3)
C (2)	31	16	24	29	29	29	24	14	19	22	20	21	27	17	22	C (2)
D (1)	4	2	3	8	5	6	2	3	3	5	3	4	3	0	2	D (1)
F (0)	1	0	1	2	1	1	0	0	0	1	0	0	0	0	0	F (0)
Not Taken	1	1	1	8	8	8	3	2	2	12	16	14				Not Taken
Mean	2.81	3.15	2.98	2.74	2.84	2.79	3.08	3.25	3.16	2.92	3.01	2.96	2.88	3.06	2.97	
Std. Dev.	0.88	0.76	0.84	0.99	0.92	0.96	0.83	0.83	0.83	0.94	0.81	0.88	0.76	0.65	0.71	

Sample Size Men (M): 238 Women (W): 225 Total (T): 463

[a]Rounded to the nearest whole letter grade

TABLE 2.45

ACT Score and High School Grade Norms for Students Enrolled in East/Northeast Region Master's Level Colleges

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	97	99	98	99	99	99	34
33	99	99	99	98	98	98	99	99	99	96	99	98	99	99	99	33
32	99	99	99	96	98	97	99	99	99	94	98	96	99	99	99	32
31	99	99	99	95	97	96	98	99	99	90	95	93	99	99	99	31
30	99	99	99	94	97	95	96	98	97	82	91	86	98	98	98	30
29	99	97	98	92	94	93	95	96	95	73	85	79	96	96	96	29
28	99	96	97	86	89	87	91	94	93	69	78	74	93	93	93	28
27	99	93	96	78	82	80	86	91	88	66	74	70	89	89	89	27
26	97	89	93	72	76	74	81	86	84	62	69	65	82	84	83	26
25	94	85	89	67	73	70	77	81	79	56	63	60	75	78	76	25
24	90	81	85	63	69	66	72	73	72	50	60	55	69	73	71	24
23	86	74	80	60	65	63	64	66	65	45	56	50	64	67	66	23
22	79	64	71	57	62	60	57	58	58	40	49	45	57	61	59	22
21	71	52	61	54	58	56	53	51	52	36	41	39	51	55	53	21
20	61	42	51	50	54	52	49	45	47	32	34	33	45	48	47	20
19	51	34	42	45	48	47	46	40	43	28	30	29	39	41	40	19
18	43	27	35	39	43	41	43	38	40	25	25	25	34	33	33	18
17	34	21	27	34	38	36	37	36	36	22	22	22	29	26	27	17
16	27	18	22	31	33	32	34	33	33	17	17	17	25	20	23	16
15	23	14	19	29	30	29	31	30	30	13	12	12	22	16	18	15
14	18	10	14	27	26	27	27	26	26	9	8	9	17	12	14	14
13	12	7	10	24	22	23	23	22	23	7	5	6	13	9	11	13
12	8	5	6	20	17	18	22	19	20	5	3	4	10	6	8	12
11	4	3	4	16	14	15	18	16	17	2	2	2	6	4	5	11
10	3	2	2	14	12	13	13	12	13	2	2	2	2	2	2	10
9	3	1	2	12	10	11	9	8	8	2	1	1	1	1	1	9
8	2	1	1	8	8	8	6	5	5	1	1	1	1	1	1	8
7	1	1	1	5	5	5	4	3	4	1	1	1	1	1	1	7
6	1	1	1	3	3	3	2	1	2	1	1	1	1	1	1	6
5	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	5
4	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	4
3	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	18.4	20.4	19.4	19.8	19.3	19.5	19.2	19.2	19.2	23.2	22.3	22.8	20.3	20.4	20.4	
Std. Dev.	4.5	4.6	4.6	7.7	7.3	7.5	7.0	6.5	6.7	6.6	5.8	6.3	5.6	5.2	5.4	

Sample Size Men (M) 183. Women (W) 200. Total (T) 383

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	26	45	36	27	33	30	40	47	44	31	34	33	29	40	35	A (4)
B (3)	48	44	46	26	32	29	36	41	39	35	37	36	52	54	53	B (3)
C (2)	26	11	18	35	25	30	21	10	15	25	18	21	19	6	12	C (2)
D (1)	1	0	0	6	6	6	2	1	2	2	2	2	0	0	0	D (1)
F (0)	0	0	0	2	0	1	0	0	0	0	1	0	0	0	0	F (0)
Not Taken	0	1	0	5	4	4	1	2	1	7	9	8				Not Taken
Mean	2.99	3.34	3.17	2.73	2.97	2.85	3.15	3.35	3.26	3.03	3.12	3.08	2.96	3.20	3.08	
Std. Dev.	0.73	0.67	0.72	1.00	0.92	0.96	0.82	0.70	0.77	0.82	0.83	0.82	0.63	0.56	0.61	

Sample Size Men (M) 174. Women (W) 188. Total (T) 362

[a]Rounded to the nearest whole letter grade

TABLE 2.46

ACT Score and High School Grade Norms for Students Enrolled in East/Northeast Region PhD Level Colleges

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	97	99	98	99	99	99	98	99	99	99	99	99	**34**
33	99	99	99	94	98	96	98	99	98	94	97	95	99	99	99	**33**
32	99	99	99	90	97	93	96	97	96	87	95	90	99	98	98	**32**
31	99	98	98	87	96	91	93	95	94	79	92	85	96	96	96	**31**
30	98	96	97	84	95	89	89	92	90	70	85	77	92	95	93	**30**
29	97	93	95	77	92	84	83	90	86	62	78	69	87	93	90	**29**
28	95	92	94	68	85	76	77	87	81	55	73	63	82	89	85	**28**
27	92	89	91	59	78	67	71	83	76	49	69	58	74	83	78	**27**
26	90	85	88	50	71	59	64	78	71	42	63	51	64	77	70	**26**
25	86	80	83	44	66	54	58	73	65	36	58	46	55	71	62	**25**
24	81	73	77	39	61	49	50	66	58	31	51	40	48	65	56	**24**
23	75	65	70	34	55	43	44	60	51	26	44	34	40	60	49	**23**
22	64	55	60	31	50	39	39	53	46	22	41	30	32	52	41	**22**
21	51	46	49	26	46	35	34	48	41	18	36	26	27	43	34	**21**
20	40	39	40	22	41	31	30	44	36	14	33	22	23	36	29	**20**
19	32	31	32	18	37	27	27	40	33	10	28	18	19	30	24	**19**
18	25	25	25	15	32	23	24	37	30	7	23	14	16	26	20	**18**
17	20	19	20	13	26	19	21	34	27	5	18	11	12	23	17	**17**
16	16	13	15	12	21	16	18	30	24	4	14	9	9	18	13	**16**
15	13	9	11	10	18	14	17	28	22	3	10	6	7	13	10	**15**
14	11	6	9	8	16	12	14	24	19	1	7	4	5	9	7	**14**
13	9	4	7	7	13	9	11	21	15	1	4	3	3	6	4	**13**
12	8	3	6	6	9	7	8	18	13	1	2	1	2	4	3	**12**
11	6	2	4	4	7	6	6	14	10	1	1	1	1	2	1	**11**
10	3	1	2	3	6	5	4	11	7	1	1	1	1	2	1	**10**
9	2	1	1	3	4	3	3	9	5	1	1	1	1	1	1	**9**
8	1	1	1	2	3	3	2	5	3	1	1	1	1	1	1	**8**
7	1	1	1	1	2	2	1	2	2	1	1	1	1	1	1	**7**
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**6**
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**5**
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**4**
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	20.4	21.3	20.8	24.5	21.2	23.0	22.7	20.1	21.5	26.3	23.3	25.0	23.6	21.6	22.7	
Std. Dev.	4.8	4.7	4.8	6.4	6.6	6.7	6.6	7.1	6.9	5.3	6.0	5.8	5.0	5.3	5.2	

Sample Size Men (M): 277. Women (W): 223. Total (T): 500

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	37	57	46	46	40	43	53	62	57	36	42	39	45	51	48	**A (4)**
B (3)	48	37	43	30	30	30	39	32	35	42	40	41	47	44	45	**B (3)**
C (2)	13	6	10	18	20	19	7	5	6	13	9	11	7	5	6	**C (2)**
D (1)	1	0	1	4	3	4	1	1	1	3	2	3	1	0	1	**D (1)**
F (0)	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	**F (0)**
Not Taken	0	0	0	1	5	3	1	0	0	6	7	6				**Not Taken**
Mean	3.20	3.50	3.33	3.18	3.12	3.15	3.45	3.55	3.50	3.18	3.30	3.23	3.24	3.36	3.29	
Std. Dev.	0.76	0.63	0.72	0.92	0.92	0.92	0.65	0.64	0.65	0.79	0.76	0.78	0.59	0.56	0.58	

Sample Size Men (M): 267. Women (W): 213. Total (T): 480

[a]Rounded to the nearest whole letter grade

TABLE 2.47

ACT Score and High School Grade Norms for Students 18 Years Old or Younger at Time of Testing

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	98	99	99	99	99	99	97	99	99	99	99	99	33
32	99	99	99	96	99	98	98	99	99	94	98	96	99	99	99	32
31	99	99	99	95	98	97	97	99	98	90	97	93	99	99	99	31
30	99	99	99	93	98	96	96	98	97	84	94	89	97	99	98	30
29	98	98	98	90	96	93	93	97	95	78	90	85	95	98	97	29
28	98	97	97	85	93	90	90	95	93	73	86	80	92	96	94	28
27	97	95	96	79	90	85	87	93	90	68	83	76	88	94	91	27
26	95	93	94	73	86	80	82	89	86	62	78	71	83	90	87	26
25	93	90	91	68	82	76	76	84	80	57	73	66	77	86	82	25
24	90	86	87	64	79	72	70	79	75	51	68	60	71	81	76	24
23	85	79	82	60	75	68	64	73	69	46	63	55	65	75	70	23
22	77	70	73	55	72	64	59	69	64	41	57	50	58	69	64	22
21	69	60	64	51	68	60	54	64	60	36	52	45	51	63	58	21
20	60	52	56	47	63	56	50	59	55	32	46	40	45	57	51	20
19	52	44	48	42	59	51	45	55	51	28	41	35	39	51	46	19
18	45	37	41	37	53	46	42	51	47	23	35	30	34	45	40	18
17	38	32	35	33	49	41	38	47	43	19	29	25	29	39	35	17
16	32	27	29	29	44	37	35	44	40	16	24	20	25	33	29	16
15	27	22	24	26	40	34	32	41	37	12	18	15	20	28	24	15
14	22	18	20	23	37	30	28	37	33	8	13	11	16	23	20	14
13	18	15	16	20	32	26	25	33	29	6	10	8	13	18	16	13
12	14	11	12	16	27	22	22	29	26	5	7	6	9	14	12	12
11	11	8	9	13	23	19	18	24	21	3	5	4	7	10	8	11
10	7	6	7	11	20	16	14	19	17	2	3	3	4	6	6	10
9	5	4	4	9	16	13	10	15	13	2	2	2	3	4	3	9
8	3	3	3	7	13	10	7	10	9	1	2	1	2	2	2	8
7	2	1	2	5	9	7	5	7	6	1	1	1	1	1	1	7
6	1	1	1	3	6	5	3	4	4	1	1	1	1	1	1	6
5	1	1	1	2	4	3	2	2	2	1	1	1	1	1	1	5
4	1	1	1	1	3	2	1	1	1	1	1	1	1	1	1	4
3	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	18.1	19.0	18.6	20.2	17.2	18.5	19.1	17.3	18.1	23.1	20.8	21.8	20.3	18.7	19.4	
Std. Dev.	5.2	5.2	5.2	7.4	7.3	7.5	7.2	7.0	7.2	6.3	6.0	6.3	5.7	5.6	5.7	

Sample Size Men (M) 17,999 Women (W) 22,019 Total (T) 40,018

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	28	43	36	25	26	25	39	44	42	27	30	29	30	37	34	A (4)
B (3)	45	41	43	34	35	35	39	37	38	37	37	37	51	50	50	B (3)
C (2)	23	14	18	28	26	27	16	14	15	22	19	21	18	13	15	C (2)
D (1)	3	1	2	7	6	7	2	2	2	4	3	3	1	0	1	D (1)
F (0)	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	1	0	1	5	6	6	4	3	3	9	11	10				Not Taken
Mean	2.97	3.27	3.13	2.78	2.85	2.82	3.18	3.27	3.23	2.97	3.05	3.01	2.97	3.11	3.04	
Std. Dev.	0.82	0.75	0.80	0.96	0.92	0.94	0.80	0.78	0.79	0.86	0.83	0.84	0.66	0.62	0.64	

Sample Size Men (M) 16,766 Women (W) 20,012 Total (T) 36,778

[a]Rounded to the nearest whole letter grade

TABLE 2.48

ACT Score and High School Grade Norms for Students 19-20 Years Old at Time of Testing

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32
31	99	99	99	99	99	99	99	99	99	98	99	98	99	99	99	31
30	99	99	99	99	99	99	99	99	99	96	98	97	99	99	99	30
29	99	99	99	99	99	99	98	99	99	93	97	95	99	99	99	29
28	99	99	99	98	99	98	97	99	98	90	96	93	99	99	99	28
27	99	99	99	96	99	98	96	98	97	87	95	91	98	99	99	27
26	99	99	99	95	98	96	94	98	95	85	93	88	97	99	98	26
25	99	98	99	92	97	94	91	96	93	81	91	86	95	98	96	25
24	98	97	98	90	97	93	88	94	91	77	89	82	92	96	94	24
23	96	95	96	88	96	91	84	91	88	73	86	78	89	95	92	23
22	94	91	93	85	95	89	81	88	84	68	82	74	85	93	88	22
21	90	86	88	83	93	87	77	85	81	63	79	70	81	90	85	21
20	84	80	82	80	92	85	73	82	77	59	74	66	76	87	81	20
19	78	73	76	76	88	82	69	79	73	54	69	61	72	83	77	19
18	72	66	69	72	85	78	66	76	71	47	63	54	66	78	71	18
17	65	60	63	67	82	74	62	73	67	41	56	48	60	72	65	17
16	59	54	57	62	79	70	59	70	64	37	49	42	54	66	59	16
15	53	48	51	58	75	65	55	66	60	31	40	35	48	59	53	15
14	48	43	46	53	71	61	50	61	55	25	32	28	42	52	47	14
13	42	37	40	47	65	55	45	57	50	20	27	23	36	45	40	13
12	36	31	34	41	58	49	41	53	46	15	20	17	29	38	33	12
11	30	26	28	35	52	43	36	47	41	11	15	13	24	31	27	11
10	23	20	22	30	46	37	31	39	35	9	12	10	18	23	20	10
9	18	15	16	25	38	31	25	32	28	7	9	8	13	16	14	9
8	13	11	12	21	32	26	19	26	22	5	6	6	8	9	8	8
7	8	7	7	15	24	19	14	19	16	3	5	4	4	4	4	7
6	5	4	4	11	17	14	10	13	11	2	3	3	2	2	2	6
5	2	2	2	6	13	10	6	8	7	1	2	1	1	1	1	5
4	1	1	1	5	9	7	4	4	4	1	1	1	1	1	1	4
3	1	1	1	3	4	4	2	2	2	1	1	1	1	1	1	3
2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	14.4	15.1	14.7	14.2	11.4	13.0	14.8	12.9	14.0	18.7	16.6	17.8	15.6	14.1	15.0	
Std. Dev.	5.2	5.3	5.2	6.7	5.8	6.5	7.0	6.4	6.8	6.5	5.8	6.3	5.5	4.9	5.3	

Sample Size Men (M): 1,824 Women (W): 1,458 Total (T): 3,282

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	13	25	18	12	16	14	21	25	23	13	15	14	13	19	15	A (4)
B (3)	39	43	41	31	29	30	41	38	40	34	32	33	51	51	51	B (3)
C (2)	39	25	33	37	34	35	30	25	28	32	29	31	34	28	32	C (2)
D (1)	7	4	5	10	9	10	3	6	4	6	5	5	2	1	2	D (1)
F (0)	0	0	0	2	1	1	0	0	0	1	0	0	0	0	0	F (0)
Not Taken	2	2	2	9	11	10	5	6	5	14	18	16				Not Taken
Mean	2.58	2.91	2.73	2.44	2.56	2.50	2.83	2.88	2.85	2.62	2.70	2.66	2.61	2.75	2.67	
Std. Dev.	0.82	0.84	0.84	0.92	0.94	0.93	0.81	0.88	0.84	0.85	0.85	0.85	0.62	0.66	0.64	

Sample Size Men (M): 1,536 Women (W): 1,189 Total (T): 2,725

[a]Rounded to the nearest whole letter grade

TABLE 2.49

ACT Score and High School Grade Norms for Students 21-24 Years Old at Time of Testing

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	98	99	99	99	99	99	32
31	99	99	99	99	99	99	99	99	99	97	99	98	99	99	99	31
30	99	99	99	99	99	99	99	99	99	95	98	96	99	99	99	30
29	99	99	99	99	99	99	98	99	99	93	96	95	99	99	99	29
28	99	99	99	97	99	99	97	99	98	91	94	93	99	99	99	28
27	99	99	99	98	99	99	95	97	96	90	93	91	98	99	99	27
26	99	98	99	97	99	98	94	96	95	87	92	89	98	99	98	26
25	99	97	98	96	99	97	92	94	93	84	89	86	96	98	97	25
24	99	96	97	94	98	96	89	92	90	79	86	83	94	96	95	24
23	98	94	96	92	98	95	86	89	87	75	83	79	91	94	93	23
22	96	90	93	90	97	93	81	85	83	72	80	75	88	92	90	22
21	92	85	89	88	96	92	78	80	79	68	74	71	85	90	87	21
20	87	77	82	86	95	90	75	75	75	64	68	66	81	86	83	20
19	80	68	74	83	94	88	73	72	72	60	64	62	76	80	78	19
18	73	59	66	81	92	86	71	70	70	55	59	57	71	75	73	18
17	67	52	60	77	89	83	68	67	68	49	52	50	67	67	67	17
16	60	46	54	73	84	78	65	62	64	44	46	45	61	60	61	16
15	56	41	49	68	79	73	62	59	61	37	39	38	55	54	54	15
14	52	36	44	63	74	68	57	55	56	31	32	31	49	47	48	14
13	47	32	40	58	69	63	52	50	51	28	26	27	43	41	42	13
12	42	27	35	53	62	57	48	46	47	24	20	22	38	34	36	12
11	37	23	30	46	54	50	44	42	43	21	15	18	32	28	30	11
10	31	19	25	38	45	42	38	36	37	17	12	14	26	22	24	10
9	25	14	20	30	37	34	32	30	31	13	9	11	20	16	18	9
8	19	10	15	26	31	29	26	23	25	10	7	8	14	11	13	8
7	14	6	11	22	27	24	20	17	19	8	5	7	10	7	9	7
6	10	3	7	16	20	18	15	13	14	6	4	5	7	4	5	6
5	6	2	4	12	15	14	10	10	10	4	3	3	4	2	3	5
4	4	1	2	10	11	10	6	6	6	2	2	2	2	1	1	4
3	2	1	1	6	6	6	4	3	3	2	1	2	1	1	1	3
2	1	1	1	3	3	3	2	2	2	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	13.6	15.8	14.6	12.4	10.7	11.6	13.7	13.8	13.8	17.5	17.	17.2	14.4	14.5	14.4	
Std. Dev.	5.5	5.4	5.6	6.4	5.3	6.0	7.4	6.9	7.2	7.2	6.2	6.8	5.8	5.1	5.5	

Sample Size Men (M) 463 Women (W) 411 Total (T) 874

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	7	19	13	7	11	9	8	12	10	4	10	7	4	10	7	A (4)
B (3)	26	44	36	26	29	28	34	39	37	30	34	32	43	55	49	B (3)
C (2)	47	29	38	43	39	41	40	33	37	44	36	40	50	33	42	C (2)
D (1)	8	2	5	11	9	10	6	3	5	7	4	6	3	2	3	D (1)
F (0)	1	0	0	2	0	1	1	0	0	1	0	1	0	0	0	F (0)
Not Taken	9	7	8	11	12	11	11	12	12	14	16	15				Not Taken
Mean	2.37	2.85	2.60	2.29	2.47	2.37	2.50	2.67	2.58	2.34	2.58	2.46	2.37	2.64	2.50	
Std. Dev.	0.78	0.75	0.80	0.86	0.85	0.86	0.78	0.77	0.78	0.74	0.77	0.76	0.58	0.59	0.60	

Sample Size Men (M) 336 Women (W) 311 Total (T) 647

[a] Rounded to the nearest whole letter grade

70

TABLE 2.50

ACT Score and High School Grade Norms for Students 25 Years or Older at Time of Testing

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	98	99	99	99	99	99	32
31	99	99	99	99	99	99	99	99	99	96	99	98	99	99	99	31
30	99	99	99	99	99	99	98	98	98	94	97	96	99	99	99	30
29	99	99	99	99	99	99	96	97	97	91	96	94	99	99	99	29
28	99	99	99	99	99	99	94	97	96	89	94	92	99	99	99	28
27	99	98	98	99	99	99	92	95	94	87	92	90	98	99	98	27
26	99	97	97	98	99	99	89	94	92	84	90	88	96	98	97	26
25	98	95	96	96	98	98	86	92	90	80	87	85	95	96	96	25
24	97	93	95	95	98	97	82	88	86	77	84	82	93	95	95	24
23	96	90	92	93	97	96	78	84	82	75	81	79	89	93	92	23
22	95	86	89	91	97	95	73	79	77	72	78	76	85	90	88	22
21	91	79	83	90	96	94	68	74	72	69	74	73	81	86	84	21
20	85	70	75	88	95	92	64	70	68	65	69	68	76	82	80	20
19	77	61	66	85	93	90	61	66	64	60	64	63	71	78	75	19
18	70	53	58	81	91	88	60	63	62	55	58	57	66	72	70	18
17	63	45	51	77	89	85	57	60	59	48	52	51	62	65	64	17
16	56	39	44	72	85	81	54	57	56	42	45	44	59	58	58	16
15	49	34	39	66	80	76	51	55	54	36	37	37	53	50	51	15
14	44	30	35	61	76	71	48	52	50	30	31	31	46	44	45	14
13	40	26	30	55	70	65	44	47	46	26	27	27	40	38	39	13
12	35	23	27	51	63	59	41	43	42	21	22	22	34	32	33	12
11	30	19	23	44	55	52	37	38	38	17	18	18	27	26	26	11
10	25	15	18	38	47	44	31	32	32	14	15	14	21	20	20	10
9	18	10	13	32	40	37	25	27	26	11	12	12	16	16	16	9
8	13	7	9	26	34	32	20	22	21	9	10	10	11	11	11	8
7	8	5	6	23	28	27	15	16	16	8	8	8	6	7	7	7
6	5	3	4	17	21	19	12	11	11	6	6	6	4	4	4	6
5	4	2	2	12	16	15	8	8	8	4	4	4	3	2	2	5
4	3	1	1	8	13	11	4	5	5	3	2	2	2	1	1	4
3	1	1	1	5	7	6	2	3	3	2	1	1	1	1	1	3
2	1	1	1	3	3	3	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	14.5	16.7	16.0	12.5	10.6	11.2	15.6	14.8	15.0	17.8	17.0	17.2	15.2	14.9	15.0	
Std. Dev.	5.4	5.5	5.6	6.3	5.5	5.8	7.9	7.4	7.5	7.3	6.6	6.8	5.9	5.4	5.5	

Sample Size Men (M): 352 Women (W): 740 Total (T): 1,092

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	6	14	12	8	10	9	7	11	10	5	6	6	6	11	10	A (4)
B (3)	24	41	35	23	28	27	23	36	32	26	33	31	33	48	43	B (3)
C (2)	46	30	35	42	41	41	47	35	39	44	38	40	56	38	44	C (2)
D (1)	9	4	5	10	8	8	5	4	4	6	5	5	5	2	3	D (1)
F (0)	2	0	1	1	0	1	1	0	0	0	0	0	0	0	0	F (0)
Not Taken	13	11	12	15	13	14	17	14	15	19	18	18				Not Taken
Mean	2.26	2.74	2.59	2.32	2.45	2.41	2.34	2.63	2.54	2.36	2.50	2.45	2.31	2.58	2.50	
Std. Dev.	0.81	0.77	0.82	0.85	0.81	0.83	0.78	0.76	0.78	0.71	0.72	0.72	0.63	0.62	0.63	

Sample Size Men (M): 239 Women (W): 507 Total (T): 746

[a]Rounded to the nearest whole letter grade

TABLE 2.51

ACT Score and High School Grade Norms for Students with Family Incomes under $6,000

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	98	99	99	99	99	99	32
31	99	99	99	98	99	99	99	99	99	96	99	98	99	99	99	31
30	99	99	99	98	99	99	98	99	99	93	98	96	99	99	99	30
29	99	99	99	97	99	98	97	99	98	90	96	94	98	99	99	29
28	99	99	99	94	98	97	96	98	97	88	94	92	98	99	98	28
27	99	99	99	92	97	95	94	97	96	86	93	90	96	98	97	27
26	98	98	98	90	96	94	92	96	95	83	91	88	94	97	96	26
25	97	97	97	88	95	92	90	94	93	80	89	85	91	95	94	25
24	96	95	95	86	94	91	87	92	90	77	86	83	89	94	92	24
23	94	93	93	83	93	89	83	89	87	74	84	80	86	92	90	23
22	90	89	89	81	91	87	80	86	84	70	81	77	83	89	87	22
21	87	84	85	78	89	85	77	84	81	66	78	73	79	86	83	21
20	82	79	80	75	87	83	73	81	78	61	74	69	74	83	80	20
19	77	73	74	72	84	80	69	78	75	57	70	65	70	80	76	19
18	72	67	69	68	82	77	67	75	72	53	64	60	67	75	72	18
17	67	62	64	65	79	74	65	73	70	47	58	54	62	71	68	17
16	62	57	59	62	76	70	63	70	67	42	51	48	58	67	63	16
15	57	52	54	58	73	67	61	67	65	35	43	40	53	61	58	15
14	52	47	49	55	70	64	57	64	61	28	35	32	48	56	53	14
13	47	42	44	50	64	58	53	60	57	23	29	27	42	50	47	13
12	42	36	38	45	58	53	49	55	53	18	23	21	37	43	40	12
11	36	30	33	39	53	48	44	49	47	14	17	16	30	35	33	11
10	30	24	26	34	46	43	39	43	41	11	12	12	23	27	25	10
9	24	18	20	29	41	37	32	36	35	9	9	9	17	19	18	9
8	18	12	14	24	35	31	25	29	27	7	7	7	11	11	11	8
7	12	8	9	18	26	23	19	21	20	5	5	5	7	6	6	7
6	7	5	6	13	19	16	14	14	14	4	3	3	4	3	3	6
5	4	3	3	9	14	12	9	9	9	2	2	2	2	1	1	5
4	2	1	1	7	9	8	5	6	5	1	1	1	1	1	1	4
3	1	1	1	4	5	4	2	3	2	1	1	1	1	1	1	3
2	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	14.0	14.8	14.5	14.4	11.7	12.7	14.1	12.8	13.3	18.3	16.6	17.2	15.3	14.1	14.6	
Std. Dev.	5.9	5.7	5.8	7.7	6.6	7.1	7.6	6.8	7.1	7.1	6.1	6.6	6.3	5.5	5.9	

Sample Size Men (M) 1,073; Women (W) 1,769; Total (T) 2,842

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	18	27	24	19	16	17	27	29	28	17	18	18	20	22	21	A (4)
B (3)	36	41	40	29	32	31	35	37	37	32	34	34	46	50	49	B (3)
C (2)	34	27	29	33	33	33	26	23	24	28	27	27	32	27	29	C (2)
D (1)	7	3	5	9	9	9	5	4	5	6	5	6	2	1	1	D (1)
F (0)	1	0	1	1	1	1	1	0	0	0	0	0	0	0	0	F (0)
Not Taken	2	2	2	8	9	9	7	7	7	16	16	16				Not Taken
Mean	2.67	2.93	2.83	2.50	2.58	2.54	2.90	2.96	2.94	2.71	2.76	2.74	2.71	2.81	2.77	
Std. Dev.	0.89	0.84	0.87	0.97	0.92	0.94	0.89	0.87	0.88	0.89	0.87	0.88	0.70	0.66	0.68	

Sample Size Men (M) 908; Women (W) 1,492; Total (T) 2,400

[a]Rounded to the nearest whole letter grade

TABLE 2.52

ACT Score and High School Grade Norms for Students with Family Incomes of $6,000 to $11,999

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	98	99	99	99	99	99	**33**
32	99	99	99	98	99	99	99	99	99	96	99	98	99	99	99	**32**
31	99	99	99	97	99	98	98	99	99	93	98	96	99	99	99	**31**
30	99	99	99	96	99	97	97	99	98	89	96	93	99	99	99	**30**
29	99	98	99	94	98	96	95	98	96	83	93	89	97	99	98	**29**
28	99	98	98	90	96	93	92	97	95	79	90	85	95	98	97	**28**
27	98	97	97	85	93	90	90	95	93	76	87	82	92	96	94	**27**
26	97	95	96	81	90	86	86	92	90	71	83	78	88	93	91	**26**
25	95	93	94	77	88	83	81	88	85	66	79	74	84	90	87	**25**
24	93	90	91	74	86	81	76	84	80	61	75	69	79	87	83	**24**
23	88	84	86	71	84	78	71	79	76	57	71	65	73	83	79	**23**
22	83	77	79	67	81	75	67	76	72	52	66	60	68	78	74	**22**
21	76	69	72	64	78	72	62	72	68	48	60	55	63	73	68	**21**
20	69	61	64	60	74	68	58	67	63	43	55	50	57	68	63	**20**
19	62	54	57	55	70	63	55	63	59	39	50	45	51	62	58	**19**
18	55	47	51	50	65	59	51	59	56	34	44	40	46	56	52	**18**
17	49	41	45	45	61	54	48	56	52	29	38	34	41	50	46	**17**
16	43	36	39	41	56	50	44	52	49	25	32	29	37	44	41	**16**
15	38	31	34	38	52	46	41	49	45	20	25	23	32	38	35	**15**
14	32	26	29	35	48	43	37	45	41	15	19	17	27	32	30	**14**
13	27	22	24	31	44	38	34	40	38	12	14	13	23	27	25	**13**
12	22	17	19	27	38	33	31	36	34	9	11	10	19	23	20	**12**
11	18	13	15	23	33	29	27	31	29	7	8	7	14	19	15	**11**
10	13	9	11	19	28	25	22	25	24	5	6	5	9	11	10	**10**
9	10	6	8	16	24	20	17	20	19	4	4	4	6	7	6	**9**
8	6	4	5	12	19	16	13	15	14	3	3	3	3	4	4	**8**
7	4	2	3	9	14	12	9	10	9	1	2	2	2	2	2	**7**
6	2	1	2	6	10	8	5	7	6	1	1	1	1	1	1	**6**
5	1	1	1	4	7	6	3	4	3	1	1	1	1	1	1	**5**
4	1	1	1	3	5	4	1	2	2	1	1	1	1	1	1	**4**
3	1	1	1	1	3	2	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	16.7	17.8	17.3	17.9	15.1	16.3	17.4	15.9	16.6	21.3	19.4	20.2	18.5	17.2	17.7	
Std. Dev.	5.5	5.4	5.5	7.8	7.3	7.6	7.5	7.0	7.3	6.8	6.1	6.5	6.1	5.6	5.9	

Sample Size Men (M) 2,672 Women (W) 3,542 Total (T) 6,214

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	25	40	33	24	25	24	35	40	37	23	27	25	26	35	31	**A (4)**
B (3)	43	41	42	32	34	33	38	36	37	37	37	37	50	49	50	**B (3)**
C (2)	27	16	21	29	27	28	21	17	19	26	21	23	23	16	19	**C (2)**
D (1)	4	2	3	9	6	7	2	2	2	4	3	4	1	1	1	**D (1)**
F (0)	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	**F (0)**
Not Taken	1	1	1	6	8	7	4	4	4	10	12	11				**Not Taken**
Mean	2.89	3.19	3.06	2.73	2.83	2.79	3.09	3.18	3.14	2.87	2.99	2.94	2.89	3.04	2.98	
Std. Dev.	0.84	0.80	0.83	0.96	0.93	0.94	0.83	0.83	0.83	0.85	0.85	0.85	0.67	0.65	0.66	

Sample Size Men (M) 2,434 Women (W) 3,117 Total (T) 5,551

[a]Rounded to the nearest whole letter grade.

TABLE 2.53

ACT Score and High School Grade Norms for Students with Family Incomes of $12,000 to $19,999

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	97	99	98	99	99	99	97	99	98	99	99	99	**33**
32	99	99	99	96	99	97	98	99	99	94	98	96	99	99	99	**32**
31	99	99	99	95	98	96	97	99	98	89	96	93	99	99	99	**31**
30	99	98	99	93	97	95	95	98	96	83	93	88	97	99	98	**30**
29	98	97	98	89	95	92	93	96	94	77	88	83	95	97	96	**29**
28	98	96	97	83	92	88	90	94	92	71	84	78	91	95	94	**28**
27	96	94	95	77	88	83	86	92	89	66	80	73	87	92	90	**27**
26	94	92	93	71	83	77	80	87	84	60	75	68	81	88	85	**26**
25	92	89	90	66	79	73	74	82	78	54	69	62	75	83	79	**25**
24	88	84	86	61	76	69	67	75	72	49	63	56	69	78	73	**24**
23	85	77	80	57	72	65	61	69	65	43	58	51	62	72	67	**23**
22	79	67	71	52	68	60	56	64	60	38	53	46	55	65	60	**22**
21	66	56	61	48	63	56	51	59	55	33	47	40	48	58	53	**21**
20	58	47	52	43	58	51	46	54	50	28	41	35	41	51	46	**20**
19	49	39	44	38	53	46	42	50	46	24	35	30	35	45	40	**19**
18	42	32	36	33	48	41	38	46	42	20	29	25	30	39	35	**18**
17	35	26	30	29	43	36	34	42	38	16	24	20	25	33	29	**17**
16	29	21	25	25	38	32	31	38	35	12	19	16	21	27	24	**16**
15	24	17	20	22	34	29	28	35	32	9	14	11	16	22	19	**15**
14	19	14	16	19	31	25	25	31	28	6	9	8	13	17	15	**14**
13	15	10	13	16	26	21	21	27	24	5	7	6	9	13	11	**13**
12	11	7	9	13	22	17	18	23	21	3	5	4	6	9	8	**12**
11	8	5	7	10	18	14	14	19	17	2	3	3	4	6	5	**11**
10	5	3	4	9	15	12	11	14	13	2	2	2	3	3	3	**10**
9	3	2	3	7	12	9	8	11	9	1	1	1	2	2	2	**9**
8	2	1	2	5	9	7	5	7	6	1	1	1	1	1	1	**8**
7	1	1	1	3	7	5	3	5	4	1	1	1	1	1	1	**7**
6	1	1	1	2	4	3	2	3	2	1	1	1	1	1	1	**6**
5	1	1	1	2	3	2	1	2	1	1	1	1	1	1	1	**5**
4	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	**4**
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	18.6	19.8	19.2	20.9	18.2	19.5	19.7	18.3	19.0	23.7	21.6	22.6	20.8	19.6	20.2	
Std. Dev.	5.0	4.8	4.9	7.1	7.1	7.3	6.9	6.8	6.9	6.0	5.8	6.0	5.4	5.3	5.4	

Sample Size Men (M): 11,433 Women (W): 12,568 Total (T): 24,001

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	29	45	38	26	28	27	41	46	44	29	32	30	31	40	36	**A (4)**
B (3)	46	40	43	35	35	35	39	37	38	37	37	37	50	49	49	**B (3)**
C (2)	22	12	17	27	25	26	16	12	14	21	19	20	17	12	14	**C (2)**
D (1)	3	1	2	7	5	6	2	2	2	4	2	3	1	0	1	**D (1)**
F (0)	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	**F (0)**
Not Taken	1	0	1	4	6	5	3	3	3	9	10	9				**Not Taken**
Mean	3.00	3.32	3.17	2.80	2.89	2.85	3.21	3.31	3.27	2.99	3.09	3.04	2.99	3.15	3.07	
Std. Dev.	0.81	0.73	0.79	0.96	0.92	0.94	0.79	0.77	0.78	0.86	0.82	0.84	0.66	0.61	0.64	

Sample Size Men (M): 10,755 Women (W): 11,572 Total (T): 22,327

[a]Rounded to the nearest whole letter grade

TABLE 2.54

ACT Score and High School Grade Norms for Students with Family Income of $20,000 and Over

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	98	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	97	99	98	99	99	99	97	99	98	99	99	99	33
32	99	99	99	95	98	97	98	99	99	93	98	95	99	99	99	32
31	99	99	99	94	98	96	97	98	98	88	95	92	98	99	99	31
30	99	98	98	92	97	94	95	97	96	82	92	87	96	98	97	30
29	98	97	98	88	94	91	92	96	94	75	87	81	94	97	95	29
28	97	96	96	82	91	86	89	93	91	69	82	76	90	94	92	28
27	96	94	95	75	86	81	85	90	88	64	77	71	85	91	88	27
26	94	91	92	68	81	74	79	86	82	58	71	65	79	86	83	26
25	91	87	89	63	76	70	72	80	76	52	66	59	73	81	77	25
24	87	82	84	59	73	66	66	73	69	46	60	53	66	75	70	24
23	81	74	78	54	68	61	59	67	63	41	54	48	59	68	63	23
22	73	63	68	49	64	57	53	61	57	36	49	43	51	61	56	22
21	64	52	58	45	59	52	49	56	52	31	43	37	45	53	49	21
20	55	44	49	40	54	47	44	51	47	26	37	32	38	46	42	20
19	46	35	41	35	49	42	39	46	43	22	32	27	33	40	37	19
18	39	28	33	30	43	37	35	42	39	18	26	22	28	34	31	18
17	32	23	27	26	39	33	32	38	35	14	21	18	23	29	26	17
16	26	18	22	23	35	29	29	35	32	11	16	14	18	24	21	16
15	21	14	18	20	31	25	26	31	29	8	11	10	14	19	16	15
14	17	11	14	17	28	22	22	27	25	5	7	6	11	14	13	14
13	13	8	11	14	23	19	19	24	22	4	5	4	8	10	9	13
12	10	6	8	11	19	15	16	20	18	3	4	3	5	7	6	12
11	7	4	5	9	16	12	13	16	15	2	2	2	3	4	4	11
10	4	3	3	7	13	10	9	12	11	1	2	1	2	2	2	10
9	3	2	2	5	10	8	7	8	8	1	1	1	1	1	1	9
8	2	1	1	4	8	6	4	6	5	1	1	1	1	1	1	8
7	1	1	1	3	6	4	2	4	3	1	1	1	1	1	1	7
6	1	1	1	2	3	3	1	2	2	1	1	1	1	1	1	6
5	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	5
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	19.0	20.2	19.6	21.5	18.9	20.1	20.2	18.9	19.5	24.1	22.1	23.1	21.3	20.1	20.7	
Std. Dev.	4.9	4.7	4.8	7.0	7.1	7.2	6.8	6.7	6.8	5.9	5.7	5.9	5.3	5.2	5.3	

Sample Size Men (M): 6,646 Women (W): 7,013 Total (T): 13,659

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	29	47	38	25	28	27	41	48	44	28	32	30	31	41	36	A (4)
B (3)	45	40	42	35	35	35	38	36	37	38	38	38	50	48	49	B (3)
C (2)	22	12	17	27	25	26	16	12	14	21	18	20	17	11	14	C (2)
D (1)	3	1	2	7	5	6	2	2	2	4	2	3	1	0	1	D (1)
F (0)	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	0	1	0	4	6	5	3	3	3	8	10	9				Not Taken
Mean	3.01	3.33	3.17	2.79	2.89	2.84	3.21	3.33	3.27	2.99	3.10	3.04	2.99	3.16	3.08	
Std. Dev.	0.81	0.72	0.78	0.96	0.92	0.94	0.80	0.76	0.78	0.85	0.81	0.84	0.66	0.61	0.64	

Sample Size Men (M): 6,269 Women (W): 6,526 Total (T): 12,795

[a]Rounded to the nearest whole letter grade

TABLE 2.55

ACT Score and High School Grade Norms for Students Who Chose Not to Disclose Family Income

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	98	99	99	99	99	99	98	99	99	99	99	99	**33**
32	99	99	99	97	99	98	99	99	99	95	98	97	99	99	99	**32**
31	99	99	99	96	99	97	97	99	98	91	97	94	99	99	99	**31**
30	99	99	99	95	98	97	96	98	97	85	94	90	98	99	99	**30**
29	99	98	98	92	97	95	94	97	96	79	91	86	96	98	97	**29**
28	98	97	97	88	94	91	91	96	94	74	88	82	94	96	95	**28**
27	98	95	96	83	91	87	88	94	91	69	84	78	91	94	93	**27**
26	97	93	95	77	87	83	84	90	87	64	80	73	86	91	89	**26**
25	94	90	92	72	84	79	79	85	82	58	75	68	80	87	84	**25**
24	92	86	89	69	81	75	72	80	77	53	70	63	74	82	79	**24**
23	87	80	83	64	77	71	67	75	71	48	65	57	68	77	73	**23**
22	80	72	75	60	74	68	62	71	67	43	59	52	61	72	67	**22**
21	72	62	66	56	70	64	57	67	62	38	54	47	54	66	61	**21**
20	63	53	57	52	66	60	53	62	58	33	48	41	48	60	55	**20**
19	54	45	49	47	61	55	49	57	53	29	42	36	43	54	49	**19**
18	47	38	42	42	56	50	45	54	50	25	36	31	37	48	43	**18**
17	41	32	36	38	51	45	41	50	46	20	31	26	33	42	38	**17**
16	35	27	30	33	47	41	38	46	43	16	25	21	27	35	32	**16**
15	30	22	25	29	42	36	34	43	39	12	18	16	23	29	26	**15**
14	25	18	21	26	38	33	31	39	35	9	13	11	18	23	21	**14**
13	20	14	17	23	34	29	27	34	31	7	10	8	14	18	16	**13**
12	16	10	13	19	28	24	24	30	27	5	7	6	11	14	12	**12**
11	12	8	9	15	24	20	20	25	23	4	5	5	7	10	9	**11**
10	8	5	7	13	21	17	15	20	18	3	4	3	5	6	6	**10**
9	6	4	4	10	18	14	12	15	14	2	3	2	3	4	3	**9**
8	4	2	3	8	14	11	8	11	10	1	2	1	2	2	2	**8**
7	2	1	2	5	10	8	5	7	6	1	1	1	1	1	1	**7**
6	1	1	1	4	6	5	3	5	4	1	1	1	1	1	1	**6**
5	1	1	1	2	4	3	2	3	2	1	1	1	1	1	1	**5**
4	1	1	1	2	3	2	1	1	1	1	1	1	1	1	1	**4**
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	17.7	19.0	18.4	19.3	16.7	17.9	18.6	17.0	17.7	22.9	20.5	21.6	19.8	18.4	19.0	
Std. Dev.	5.1	5.1	5.1	7.4	7.3	7.4	7.2	7.0	7.1	6.4	5.9	6.2	5.7	5.5	5.6	

Sample Size Men (M) 3,515 Women (W) 4,367 Total (T) 7,882

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	24	40	33	21	24	22	34	40	37	24	28	26	26	33	30	**A (4)**
B (3)	45	44	44	35	35	35	41	38	39	38	37	37	51	52	52	**B (3)**
C (2)	26	14	19	30	27	29	18	16	17	24	21	22	22	14	17	**C (2)**
D (1)	4	1	3	6	7	7	2	2	2	4	3	3	1	1	1	**D (1)**
F (0)	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	**F (0)**
Not Taken	1	1	1	5	7	6	5	4	4	10	11	11				**Not Taken**
Mean	2.88	3.23	3.07	2.70	2.79	2.75	3.01	3.21	3.07	2.91	3.01	2.97	2.89	3.06	2.98	
Std. Dev.	0.83	0.74	0.80	0.95	0.93	0.94	0.80	0.79	0.80	0.86	0.83	0.84	0.66	0.62	0.64	

Sample Size Men (M) 3,230 Women (W) 3,915 Total (T) 7,145

[a]Rounded to the nearest whole letter grade.

TABLE 2.56

ACT Score and High School Grade Norms for Students Planning to Major in Agriculture

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	98	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	96	98	97	99	99	99	32
31	99	99	99	99	99	99	99	99	99	93	95	94	99	99	99	31
30	99	99	99	98	98	98	98	98	98	90	91	90	99	99	99	30
29	99	98	99	97	97	97	97	98	97	85	85	85	99	98	98	29
28	99	97	99	95	96	95	95	96	96	81	81	81	97	96	97	28
27	99	96	98	92	93	92	93	93	93	76	78	76	95	94	95	27
26	98	94	97	88	90	88	90	89	89	70	73	71	92	90	92	26
25	97	92	96	84	86	85	85	83	85	65	68	66	88	86	88	25
24	96	88	93	81	83	81	80	78	79	60	63	60	83	81	83	24
23	92	81	89	76	79	77	74	72	74	55	57	56	78	76	77	23
22	87	72	83	72	75	73	70	68	70	50	52	51	72	69	71	22
21	81	62	76	68	72	69	66	64	66	45	46	45	66	62	65	21
20	73	53	67	63	67	64	62	58	61	40	40	40	59	56	58	20
19	64	45	59	56	62	58	58	53	56	35	35	35	52	51	52	19
18	57	38	52	50	56	52	54	49	53	30	30	30	47	46	47	18
17	51	33	46	45	51	47	50	46	49	24	25	25	42	40	41	17
16	44	29	40	40	45	42	46	43	45	20	20	20	36	33	35	16
15	38	24	34	36	41	38	42	41	42	14	15	15	30	28	29	15
14	31	20	28	33	37	34	38	38	38	10	11	10	24	22	23	14
13	25	16	23	29	33	30	34	35	34	7	8	8	18	18	18	13
12	20	13	18	23	29	25	30	31	30	5	6	5	13	14	13	12
11	15	10	13	20	25	21	25	25	25	3	4	3	9	11	10	11
10	11	7	10	17	23	18	20	19	19	2	3	2	6	7	6	10
9	7	5	7	13	20	15	15	14	15	1	1	1	4	4	4	9
8	5	4	5	10	16	12	10	11	10	1	1	1	2	2	2	8
7	3	2	3	7	12	8	6	8	7	1	1	1	1	1	1	7
6	2	1	1	5	8	5	4	5	4	1	1	1	1	1	1	6
5	1	1	1	3	5	4	2	3	3	1	1	1	1	1	1	5
4	1	1	1	2	3	3	1	2	1	1	1	1	1	1	1	4
3	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	16.6	18.7	17.1	17.5	16.5	17.2	17.0	17.3	17.1	21.9	21.7	21.8	18.4	18.7	18.4	
Std. Dev.	4.9	5.3	5.1	6.9	7.2	7.0	7.0	7.1	7.0	6.2	6.1	6.1	5.4	5.6	5.4	

Sample Size Men (M): 1,253 Women (W): 459 Total (T): 1,712

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	18	39	23	15	26	18	27	38	30	19	30	22	19	33	23	A (4)
B (3)	47	42	46	34	28	33	45	40	44	41	35	39	54	47	52	B (3)
C (2)	29	18	26	32	29	31	20	17	19	26	24	26	26	19	24	C (2)
D (1)	5	1	4	12	7	11	3	2	3	5	2	4	1	1	1	D (1)
F (0)	0	0	0	1	3	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	1	0	0	6	6	6	4	3	4	8	7	8				Not Taken
Mean	2.77	3.19	2.88	2.54	2.71	2.59	3.01	3.17	3.05	2.81	3.00	2.86	2.77	3.01	2.84	
Std. Dev.	0.81	0.75	0.82	0.93	1.05	0.97	0.80	0.78	0.80	0.84	0.86	0.85	0.64	0.66	0.65	

Sample Size Men (M): 1,146 Women (W): 415 Total (T): 1,561

[a]Rounded to the nearest whole letter grade

TABLE 2.57

ACT Score and High School Grade Norms for Students Planning to Major in Architecture

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	98	99	99	99	99	99	33
32	99	99	99	98	99	98	99	99	99	97	99	98	99	99	99	32
31	99	99	99	97	98	97	99	99	99	94	97	95	99	99	99	31
30	99	99	99	96	97	96	98	98	98	89	95	91	98	99	99	30
29	99	98	99	92	95	93	96	97	97	83	92	87	97	98	98	29
28	98	98	98	88	92	89	94	96	95	79	89	82	95	96	96	28
27	98	97	97	81	88	84	92	96	93	74	85	78	93	94	93	27
26	96	95	96	74	85	78	89	94	91	68	80	72	89	92	90	26
25	94	92	94	68	82	73	85	91	87	61	77	67	84	88	85	25
24	92	88	90	63	79	69	79	87	82	54	72	61	78	83	80	24
23	88	83	86	59	76	65	73	81	76	48	66	55	70	78	73	23
22	81	75	78	54	73	61	68	76	71	43	61	50	62	73	66	22
21	72	65	70	50	68	57	63	71	66	39	56	45	56	69	60	21
20	64	56	61	44	64	52	59	66	62	34	52	41	49	63	55	20
19	56	47	53	39	61	47	54	62	57	29	46	35	43	58	48	19
18	50	39	46	34	55	42	50	58	53	25	38	30	37	50	42	18
17	43	33	39	30	49	37	45	55	49	22	31	26	31	44	36	17
16	36	28	33	26	45	33	42	52	46	18	25	21	26	38	30	16
15	30	23	28	23	41	30	39	48	43	14	19	15	21	32	25	15
14	25	18	22	21	39	27	35	43	38	10	14	11	17	26	20	14
13	19	14	17	17	35	24	31	38	33	7	10	9	13	20	16	13
12	15	10	13	14	30	20	27	33	29	6	8	6	10	15	12	12
11	11	7	10	12	25	17	23	26	24	4	5	5	8	11	9	11
10	8	5	7	10	22	14	18	21	19	3	3	3	5	7	6	10
9	6	3	5	7	18	11	14	17	15	3	2	2	3	4	4	9
8	4	3	4	6	14	9	10	12	11	2	2	2	2	2	2	8
7	3	2	3	4	10	6	6	8	7	1	1	1	1	1	1	7
6	2	1	2	2	6	4	4	5	4	1	1	1	1	1	1	6
5	1	1	1	1	4	2	2	4	3	1	1	1	1	1	1	5
4	1	1	1	1	3	2	1	3	2	1	1	1	1	1	1	4
3	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	17.6	18.7	18.0	20.4	17.0	19.1	17.5	16.2	17.0	22.4	20.2	21.6	19.6	18.1	19.1	
Std. Dev.	5.1	4.9	5.1	6.9	7.6	7.4	7.0	6.8	7.0	6.2	5.8	6.2	5.5	5.5	5.5	

Sample Size Men (M): 629; Women (W): 371; Total (T): 1,000

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W		M	W	T	M	W	T	
A (4)	25	35	29	22	25	23	33	37	35	20	26	22	24	32	27	A (4)
B (3)	43	46	44	40	34	38	42	41	42	41	38	40	52	52	52	B (3)
C (2)	27	17	24	27	27	27	18	18	18	25	21	23	23	15	20	C (2)
D (1)	3	1	2	8	6	7	3	2	2	3	2	3	1	0	1	D (1)
F (0)	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	1	1	1	2	6	4	3	3	3	11	12	11				Not Taken
Mean	2.90	3.16	3.00	2.75	2.82	2.77	3.08	3.17	3.11	2.87	3.01	2.92	2.89	3.03	2.94	
Std. Dev.	0.82	0.73	0.80	0.92	0.92	0.92	0.83	0.78	0.81	0.81	0.80	0.81	0.64	0.62	0.63	

Sample Size Men (M): 589; Women (W): 336; Total (T): 925

[a]Rounded to the nearest whole letter grade

TABLE 2.58

ACT Score and High School Grade Norms for Students Planning to Major in Biological Sciences

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	98	99	99	99	99	99	34
33	99	99	99	98	98	98	99	99	99	95	98	96	99	99	99	33
32	99	99	99	96	96	96	98	98	98	88	95	91	99	99	99	32
31	99	98	99	95	95	95	97	97	97	79	90	85	98	98	98	31
30	99	97	98	93	94	93	94	95	95	71	83	77	96	96	96	30
29	98	95	97	89	91	90	90	93	92	62	77	69	93	93	93	29
28	97	94	95	82	86	84	85	90	88	54	71	63	89	90	89	28
27	95	92	93	74	81	77	80	87	83	49	65	57	82	86	84	27
26	94	88	91	67	74	70	74	81	77	43	57	50	74	79	77	26
25	91	83	87	61	68	65	66	75	70	37	50	44	67	72	70	25
24	86	77	81	58	64	61	59	67	63	32	43	37	58	64	61	24
23	80	70	75	53	59	56	52	59	56	27	37	32	51	56	53	23
22	71	60	65	49	55	52	47	53	50	23	32	27	44	50	47	22
21	60	49	54	44	50	47	41	48	45	20	27	23	37	43	40	21
20	50	39	44	39	45	42	36	43	40	17	23	20	31	36	34	20
19	42	32	37	34	39	36	33	38	35	15	21	18	26	30	28	19
18	35	27	31	29	34	32	30	34	32	12	18	15	22	25	24	18
17	29	22	25	26	30	28	27	31	29	11	15	13	19	21	20	17
16	24	17	20	21	26	24	25	28	26	9	11	10	15	17	16	16
15	20	13	16	18	23	20	22	25	23	7	8	7	12	13	13	15
14	16	10	13	17	20	18	18	22	20	5	6	5	10	10	10	14
13	13	7	10	15	16	16	16	20	18	4	4	4	8	8	8	13
12	10	4	7	13	12	13	13	17	15	4	3	3	6	6	6	12
11	7	3	5	11	10	10	11	13	12	3	2	3	5	4	4	11
10	5	2	4	9	9	9	9	11	10	2	2	2	3	3	3	10
9	4	2	3	7	7	7	8	9	8	2	1	1	2	2	2	9
8	3	1	2	5	6	5	5	6	6	1	1	1	2	1	1	8
7	1	1	1	4	4	4	3	4	4	1	1	1	1	1	1	7
6	1	1	1	2	3	3	2	3	2	1	1	1	1	1	1	6
5	1	1	1	2	3	2	1	2	2	1	1	1	1	1	1	5
4	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	4
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	19.2	20.7	20.0	21.4	20.5	21.0	21.1	20.0	20.5	25.8	24.1	24.9	22.0	21.5	21.7	
Std. Dev.	5.0	4.8	5.0	7.1	7.1	7.1	6.9	6.9	6.9	6.1	5.9	6.1	5.5	5.4	5.5	

Sample Size Men (M): 568; Women (W): 580; Total (T): 1,148

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	36	52	44	26	32	29	51	54	52	41	49	45	39	50	45	A (4)
B (3)	45	37	41	35	36	36	33	31	32	39	33	36	48	44	46	B (3)
C (2)	17	9	13	29	22	26	10	9	9	15	13	14	13	6	9	C (2)
D (1)	2	1	1	6	5	5	3	1	2	2	2	2	0	0	0	D (1)
F (0)	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	1	1	1	4	4	4	4	5	4	3	4	4				Not Taken
Mean	3.13	3.42	3.28	2.83	2.98	2.91	3.37	3.44	3.40	3.23	3.34	3.29	3.13	3.29	3.21	
Std. Dev.	0.79	0.69	0.75	0.92	0.90	0.91	0.78	0.73	0.75	0.79	0.77	0.78	0.63	0.59	0.61	

Sample Size Men (M): 541; Women (W): 550; Total (T): 1,091

[a]Rounded to the nearest whole letter grade.

TABLE 2.59

ACT Score and High School Grade Norms for Students Planning to Major in Business and Commerce

ACT Score Percentile Ranks

Standard Score	English M	English W	English T	Mathematics M	Mathematics W	Mathematics T	Social Studies M	Social Studies W	Social Studies T	Natural Sciences M	Natural Sciences W	Natural Sciences T	Composite M	Composite W	Composite T	Standard Score
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	98	99	99	99	99	99	98	99	99	99	99	99	32
31	99	99	99	97	99	98	99	99	99	95	99	97	99	99	99	31
30	99	99	99	96	99	98	98	99	98	92	97	95	99	99	99	30
29	99	99	99	94	98	96	96	98	97	87	94	91	98	99	99	29
28	99	98	99	91	96	94	93	97	95	83	92	88	97	98	97	28
27	99	97	98	86	93	90	91	96	93	79	89	85	94	97	95	27
26	98	96	97	81	89	86	87	93	90	74	86	80	91	94	93	26
25	96	93	95	76	86	82	82	89	86	69	81	76	86	91	89	25
24	94	90	92	73	84	79	76	84	80	64	77	71	80	87	84	24
23	90	84	87	69	81	75	70	79	75	57	72	66	74	83	79	23
22	84	76	80	65	78	72	65	75	71	51	68	60	67	77	73	22
21	76	67	71	60	74	68	60	71	66	46	62	55	61	71	66	21
20	68	59	63	55	70	63	55	67	62	41	57	49	54	65	60	20
19	59	51	55	49	65	58	51	63	57	36	51	44	47	59	54	19
18	51	44	47	44	60	53	47	59	54	30	45	38	41	53	48	18
17	44	38	41	39	55	48	43	56	50	25	39	32	35	48	42	17
16	38	33	35	34	51	43	39	52	46	20	32	27	30	42	36	16
15	32	27	29	31	47	40	35	48	42	15	25	21	25	36	31	15
14	26	23	24	27	44	36	32	43	38	11	18	15	20	30	25	14
13	21	19	20	23	39	32	28	39	34	8	14	11	15	24	20	13
12	16	15	15	19	33	27	25	35	30	6	10	8	11	19	15	12
11	12	11	12	15	28	23	20	30	25	4	7	6	8	14	11	11
10	8	8	8	13	25	19	15	24	20	3	5	4	5	9	7	10
9	6	6	6	10	20	16	11	19	16	2	4	3	3	6	5	9
8	4	3	4	7	17	13	8	14	11	1	2	2	2	3	3	8
7	2	2	2	5	13	9	5	9	7	1	1	1	1	2	1	7
6	1	1	1	4	9	6	3	6	5	1	1	1	1	1	1	6
5	1	1	1	2	6	4	2	4	3	1	1	1	1	1	1	5
4	1	1	1	2	4	3	1	2	1	1	1	1	1	1	1	4
3	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	17.2	18.1	17.7	18.8	15.9	17.2	18.1	16.0	16.9	21.5	19.7	20.2	19.0	17.4	18.2	
Std. Dev.	4.9	5.2	5.1	7.1	7.2	7.3	6.9	6.9	7.0	6.1	5.8	6.1	5.4	5.5	5.5	

Sample Size Men (M): 3,716. Women (W): 4,460. Total (T): 8,176.

High School Grade Percentages

High School Grade	English M	English W	English T	Mathematics M	Mathematics W	Mathematics T	Social Studies M	Social Studies W	Social Studies T	Natural Sciences M	Natural Sciences W	Natural Sciences T	Average[a] M	Average[a] W	Average[a] T	High School Grade
A (4)	22	36	30	18	26	22	32	38	36	17	25	22	20	33	27	A (4)
B (3)	45	45	45	35	37	36	42	39	41	39	36	37	57	52	54	B (3)
C (2)	29	16	22	32	25	28	19	17	18	27	21	24	22	14	18	C (2)
D (1)	3	2	2	8	5	6	2	2	2	4	3	3	1	0	1	D (1)
F (0)	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	1	1	1	5	7	6	3	4	3	12	14	13				Not Taken
Mean	2.85	3.16	3.02	2.63	2.89	2.77	3.08	3.17	3.13	2.79	2.97	2.88	2.83	3.05	2.95	
Std. Dev.	0.81	0.77	0.80	0.93	0.89	0.92	0.80	0.80	0.80	0.82	0.83	0.83	0.63	0.62	0.63	

Sample Size Men (M): 3,397. Women (W): 3,976. Total (T): 7,373.

[a]Rounded to the nearest whole letter grade.

80

TABLE 2.60

ACT Score and High School Grade Norms for Students Planning to Major in Communications

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	98	99	99	96	98	98	99	99	99	32
31	99	99	99	99	99	99	97	99	98	94	97	95	99	99	99	31
30	99	98	98	98	98	98	95	98	97	90	94	92	98	99	98	30
29	98	97	97	96	97	97	93	96	94	85	91	88	96	98	97	29
28	97	95	96	93	95	94	89	93	91	82	87	85	94	96	95	28
27	96	93	94	88	93	91	85	90	88	78	83	81	91	93	92	27
26	94	89	91	84	89	87	81	86	84	73	78	75	86	90	88	26
25	90	85	87	80	86	83	75	79	77	68	73	70	82	86	84	25
24	86	79	82	77	84	81	69	73	71	62	68	65	77	81	79	24
23	81	71	75	73	82	78	62	66	64	56	62	60	72	74	73	23
22	74	62	67	70	79	75	57	60	59	50	56	54	67	68	68	22
21	64	53	58	66	76	71	53	56	54	44	49	47	60	61	61	21
20	56	45	50	61	72	67	49	51	50	38	44	42	52	54	53	20
19	49	37	42	56	67	62	45	47	46	33	39	37	44	49	47	19
18	42	30	35	51	61	57	41	43	42	29	33	31	38	43	41	18
17	37	26	30	47	56	52	37	40	38	25	28	26	32	36	35	17
16	33	21	26	42	51	47	33	37	35	21	22	22	28	31	30	16
15	27	18	22	39	47	43	30	33	32	17	16	16	24	26	25	15
14	23	15	18	35	43	40	27	31	29	12	11	11	19	20	20	14
13	18	12	15	31	38	35	23	28	26	9	8	8	15	16	16	13
12	15	9	11	26	31	29	21	25	23	7	6	6	12	12	12	12
11	12	7	9	22	27	25	18	20	19	5	5	5	10	9	9	11
10	10	5	7	19	24	22	15	15	15	3	3	3	8	6	7	10
9	7	4	5	15	20	18	12	11	11	2	2	2	5	4	4	9
8	5	3	4	12	15	14	8	8	8	2	2	2	3	2	3	8
7	3	1	2	9	11	10	5	5	5	1	1	1	2	1	1	7
6	1	1	1	6	7	6	3	3	3	1	1	1	1	1	1	6
5	1	1	1	4	5	4	2	2	2	1	1	1	1	1	1	5
4	1	1	1	3	3	3	1	1	1	1	1	1	1	1	1	4
3	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	18.3	20.0	19.3	17.5	15.9	16.6	19.3	18.5	18.9	21.7	20.9	21.3	19.3	19.0	19.1	
Std. Dev.	5.6	5.3	5.5	7.4	7.1	7.3	7.3	7.1	7.2	6.2	5.9	6.1	5.8	5.5	5.6	

Sample Size Men (M) 647 Women (W) 860 Total (T) 1,507

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	28	50	41	13	17	15	34	48	42	15	27	22	20	37	30	A (4)
B (3)	42	38	40	31	34	33	42	35	38	37	37	37	56	49	52	B (3)
C (2)	26	11	18	34	32	33	20	12	15	30	19	24	23	14	18	C (2)
D (1)	2	0	1	12	9	10	2	1	1	4	2	3	1	0	1	D (1)
F (0)	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	0	0	0	8	8	8	2	3	3	13	15	14				Not Taken
Mean	2.96	3.38	3.20	2.46	2.61	2.55	3.11	3.35	3.25	2.73	3.05	2.91	2.80	3.10	2.97	
Std. Dev.	0.83	0.71	0.79	0.94	0.93	0.94	0.80	0.74	0.77	0.81	0.80	0.82	0.63	0.60	0.63	

Sample Size Men (M) 589 Women (W) 769 Total (T) 1,358

[a]Rounded to the nearest whole letter grade.

TABLE 2.61

ACT Score and High School Grade Norms for Students Planning to Major in Computer and Information Science Fields

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	97	99	98	99	99	99	99	99	99	99	99	99	34
33	99	99	99	96	99	97	99	99	99	97	99	98	99	99	99	33
32	99	99	99	94	98	96	99	99	99	93	98	96	99	99	99	32
31	99	99	99	92	97	94	98	99	98	88	97	92	99	99	99	31
30	99	99	99	89	97	93	96	98	97	80	94	87	97	99	98	30
29	98	98	98	84	94	89	94	98	95	73	90	81	95	98	96	29
28	98	98	98	76	90	82	90	96	93	67	87	77	90	96	93	28
27	97	96	97	68	85	76	86	94	89	63	84	73	85	93	89	27
26	95	94	95	61	79	69	81	90	85	58	80	68	79	89	83	26
25	92	92	92	56	75	65	76	86	81	52	76	63	72	84	77	25
24	90	88	89	53	72	62	68	82	74	47	70	58	65	80	72	24
23	85	82	84	50	68	58	61	78	69	42	65	53	58	75	66	23
22	77	72	75	45	64	54	57	73	64	38	60	48	52	69	60	22
21	68	63	65	41	61	50	52	68	60	33	54	43	46	63	54	21
20	59	56	58	37	57	47	49	64	56	28	48	37	41	56	48	20
19	51	49	50	34	53	42	45	60	52	24	44	33	35	51	43	19
18	44	44	44	29	48	38	41	57	49	20	38	28	31	46	38	18
17	38	38	38	26	45	35	38	53	45	17	32	24	26	41	33	17
16	32	33	33	23	41	32	34	49	41	14	27	20	22	37	29	16
15	27	29	28	20	38	28	31	46	38	11	21	16	18	33	25	15
14	22	25	23	17	35	26	27	43	34	8	15	11	15	29	21	14
13	18	21	19	14	32	22	24	38	30	6	11	8	11	23	17	13
12	14	17	15	11	27	18	21	33	27	4	8	6	9	18	13	12
11	11	12	12	9	23	15	18	28	23	3	6	4	6	12	9	11
10	9	9	9	7	19	13	14	24	19	2	4	3	4	8	6	10
9	6	6	6	6	15	10	10	19	14	1	2	2	2	6	4	9
8	4	4	4	5	12	8	6	15	10	1	2	1	1	3	2	8
7	2	2	2	4	8	6	4	11	7	1	2	1	1	2	1	7
6	1	1	1	2	5	4	2	7	4	1	1	1	1	1	1	6
5	1	1	1	1	4	3	1	3	2	1	1	1	1	1	1	5
4	1	1	1	1	3	2	1	2	1	1	1	1	1	1	1	4
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	18.1	18.2	18.2	22.0	18.1	20.2	19.3	16.4	17.9	23.8	20.3	22.2	20.9	18.4	19.7	
Std. Dev.	5.2	5.5	5.4	7.5	7.8	7.9	7.1	7.2	7.3	6.3	6.1	6.5	5.7	6.0	6.0	

Sample Size Men (M): 744 Women (W): 642 Total (T): 1,386

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	28	43	35	37	40	38	41	42	41	34	34	34	37	44	40	A (4)
B (3)	45	41	43	33	32	33	37	36	37	35	34	35	46	45	45	B (3)
C (2)	23	13	18	23	18	20	16	14	15	19	16	18	16	11	14	C (2)
D (1)	3	3	3	4	4	4	2	3	2	3	2	2	1	1	1	D (1)
F (0)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	1	0	1	3	6	4	4	5	5	9	13	11				Not Taken
Mean	2.97	3.24	3.10	3.05	3.14	3.09	3.22	3.23	3.22	3.11	3.16	3.13	3.08	3.19	3.13	
Std. Dev.	0.82	0.78	0.82	0.91	0.89	0.90	0.79	0.82	0.81	0.83	0.81	0.82	0.66	0.65	0.66	

Sample Size Men (M): 694 Women (W): 583 Total (T): 1,277

[a]Rounded to the nearest whole letter grade

TABLE 2.62

ACT Score and High School Grade Norms for Students Planning to Major in Education Fields

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	98	99	99	99	99	99	32
31	99	99	99	99	99	99	98	99	99	97	98	98	99	99	99	31
30	99	99	99	98	99	99	98	99	99	94	97	96	99	99	99	30
29	99	99	99	97	98	98	97	98	98	91	95	94	99	99	99	29
28	99	98	98	95	96	96	96	97	97	87	92	91	98	98	98	28
27	99	97	98	92	94	94	94	96	95	83	89	88	96	97	97	27
26	98	96	96	88	91	91	92	93	93	80	86	84	94	95	95	26
25	97	94	95	85	89	88	89	89	89	76	81	80	91	92	92	25
24	95	90	92	83	87	86	84	85	85	72	77	76	87	88	88	24
23	93	85	87	79	84	83	79	80	80	68	72	71	83	84	84	23
22	89	77	80	76	81	80	75	76	76	63	67	66	79	79	79	22
21	83	68	71	73	77	76	71	71	71	58	61	60	74	73	73	21
20	76	60	64	69	73	72	67	67	67	53	55	55	68	67	67	20
19	69	52	56	65	69	68	63	62	62	49	50	50	62	61	61	19
18	63	44	49	61	64	63	60	59	59	42	43	43	56	54	55	18
17	57	38	43	56	59	58	57	55	55	36	37	36	51	48	49	17
16	52	33	38	51	54	53	54	51	52	30	31	30	45	41	42	16
15	46	28	32	47	50	49	50	47	48	24	23	23	40	35	36	15
14	41	23	28	43	45	45	46	43	44	19	17	17	34	29	30	14
13	35	18	23	38	40	40	41	38	39	15	13	13	29	23	25	13
12	29	14	18	33	35	34	37	34	35	11	10	10	23	18	19	12
11	23	11	14	28	30	30	32	29	30	8	7	7	17	13	14	11
10	17	8	10	24	26	26	26	23	24	6	5	5	12	9	10	10
9	12	5	7	20	21	21	21	18	19	4	4	4	8	6	7	9
8	9	3	5	16	17	17	15	13	14	3	2	3	5	3	4	8
7	6	2	3	11	13	13	10	9	9	2	2	2	2	2	2	7
6	4	1	1	7	9	8	6	6	6	1	1	1	1	1	1	6
5	2	1	1	5	6	6	3	4	4	1	1	1	1	1	1	5
4	1	1	1	4	5	4	1	2	2	1	1	1	1	1	1	4
3	1	1	1	2	3	2	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	15.6	18.1	17.4	18.0	15.4	15.5	15.9	16.0	16.0	19.8	19.4	19.5	17.0	17.3	17.2	
Std. Dev.	5.5	5.1	5.3	7.3	7.1	7.1	7.2	6.8	6.9	6.4	5.8	6.0	5.7	5.4	5.4	

Sample Size Men (M) 1,011 Women (W) 3,058 Total (T) 4,069

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	19	40	34	17	21	20	29	40	37	17	25	23	17	31	28	A (4)
B (3)	43	43	43	29	35	34	39	37	38	35	37	37	53	52	52	B (3)
C (2)	32	16	20	36	29	31	26	17	19	31	22	24	29	16	19	C (2)
D (1)	5	1	2	11	7	8	2	3	2	5	3	4	1	1	1	D (1)
F (0)	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	1	0	0	7	7	7	3	3	3	12	12	12				Not Taken
Mean	2.76	3.21	3.10	2.53	2.75	2.70	2.98	3.18	3.13	2.72	2.95	2.89	2.74	3.02	2.95	
Std. Dev.	0.82	0.77	0.80	0.96	0.90	0.92	0.82	0.82	0.83	0.84	0.83	0.84	0.64	0.63	0.64	

Sample Size Men (M) 895 Women (W) 2,751 Total (T) 3,646

[a]Rounded to the nearest whole letter grade

TABLE 2.63

ACT Score and High School Grade Norms for Students Planning to Major in Engineering Fields

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	98	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	98	97	97	99	99	99	98	99	98	99	99	99	34
33	99	99	99	96	94	95	99	99	99	95	97	95	99	99	99	33
32	99	99	99	93	92	93	98	98	98	89	93	90	99	99	99	32
31	99	98	99	91	90	91	96	96	96	83	88	84	98	97	98	31
30	99	96	99	88	87	88	94	94	94	76	81	76	95	94	95	30
29	98	94	98	83	81	83	91	91	91	68	73	68	92	91	92	29
28	97	91	97	75	74	75	88	88	88	61	69	62	88	86	88	28
27	96	88	95	66	65	66	84	84	84	55	62	56	81	78	81	27
26	94	84	93	58	56	58	78	79	78	49	53	50	75	69	74	26
25	91	79	90	52	50	51	71	72	71	44	48	45	67	62	67	25
24	88	73	86	47	45	47	64	64	64	39	43	39	60	55	59	24
23	82	66	80	41	41	41	58	57	58	34	38	35	52	48	52	23
22	74	58	72	37	37	37	53	51	52	30	33	30	45	42	45	22
21	64	47	62	33	33	33	48	47	48	26	28	26	38	37	38	21
20	55	38	53	29	29	29	44	41	43	22	25	22	32	32	32	20
19	46	30	44	25	26	25	39	35	39	18	21	19	27	27	27	19
18	38	24	37	21	23	22	36	32	35	15	18	16	23	23	23	18
17	32	19	31	19	21	19	32	29	31	12	15	13	19	19	19	17
16	27	15	25	16	18	16	28	26	28	10	12	10	16	16	16	16
15	22	12	21	14	16	14	25	24	25	7	8	7	13	13	13	15
14	18	10	17	12	13	12	22	21	22	5	5	5	11	10	11	14
13	15	8	14	10	11	10	19	20	19	4	4	4	8	8	8	13
12	11	6	11	8	9	8	17	17	17	3	3	3	6	6	6	12
11	8	4	8	7	8	7	14	15	14	2	2	2	4	4	4	11
10	6	3	5	6	7	6	10	12	11	2	1	1	3	3	3	10
9	4	2	4	5	6	5	8	10	8	1	1	1	2	2	2	9
8	2	2	2	3	4	4	6	7	6	1	1	1	1	1	1	8
7	1	1	1	2	3	2	4	4	4	1	1	1	1	1	1	7
6	1	1	1	2	1	2	2	3	2	1	1	1	1	1	1	6
5	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	5
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	18.6	21.0	19.1	23.1	23.1	23.1	20.2	20.3	20.2	25.0	24.3	24.9	21.9	22.3	22.0	
Std. Dev.	5.0	5.2	5.1	6.9	7.1	6.9	7.0	7.1	7.0	6.1	6.0	6.1	5.5	5.7	5.5	

Sample Size Men (M) 2,967; Women (W) 389; Total (T) 3,376

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	31	55	34	37	54	39	43	61	45	38	51	39	40	64	43	A (4)
B (3)	45	35	44	37	32	37	38	27	37	36	34	36	46	31	44	B (3)
C (2)	19	9	18	19	12	18	13	9	13	16	10	15	13	6	12	C (2)
D (1)	3	1	3	4	1	4	2	1	2	3	1	3	1	0	1	D (1)
F (0)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	1	0	1	3	1	3	4	3	3	7	5	7				Not Taken
Mean	3.05	3.44	3.10	3.09	3.39	3.13	3.27	3.51	3.30	3.16	3.42	3.19	3.13	3.43	3.17	
Std. Dev.	0.81	0.70	0.81	0.88	0.76	0.87	0.77	0.72	0.77	0.84	0.69	0.83	0.65	0.55	0.65	

Sample Size Men (M) 2,814; Women (W) 370; Total (T) 3,184

[a]Rounded to the nearest whole letter grade.

TABLE 2.64

ACT Score and High School Grade Norms for Students Planning to Major in Fine and Applied Arts Fields

ACT Score Percentile Ranks

Standard Score	English M	English W	English T	Mathematics M	Mathematics W	Mathematics T	Social Studies M	Social Studies W	Social Studies T	Natural Sciences M	Natural Sciences W	Natural Sciences T	Composite M	Composite W	Composite T	Standard Score
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	97	99	98	99	99	99	32
31	99	99	99	98	99	99	98	99	99	94	97	96	99	99	99	31
30	99	99	99	97	98	98	97	98	98	90	95	94	99	99	99	30
29	98	98	98	95	96	97	95	97	97	86	93	90	97	98	98	29
28	98	97	97	92	95	94	93	96	95	81	90	87	95	97	96	28
27	96	95	95	89	93	91	91	94	93	76	86	82	92	95	94	27
26	94	93	93	85	89	88	86	91	89	70	82	78	88	93	91	26
25	92	90	90	81	87	85	81	86	84	64	77	73	84	89	87	25
24	88	86	87	79	84	82	75	81	79	59	72	67	79	85	83	24
23	85	83	83	76	82	80	69	77	74	54	67	62	73	80	78	23
22	74	70	72	72	79	77	64	73	70	49	61	57	66	75	72	22
21	67	60	62	66	76	73	59	68	65	44	55	51	59	69	65	21
20	58	51	53	64	72	69	55	62	60	39	48	45	54	62	59	20
19	50	42	45	59	67	64	50	57	55	35	43	40	49	55	53	19
18	43	36	39	54	61	58	47	54	52	30	37	35	44	48	46	18
17	40	30	33	49	57	54	44	50	48	26	31	29	39	42	41	17
16	34	25	28	44	53	50	41	46	44	22	26	24	34	36	35	16
15	29	20	23	41	48	46	38	42	41	17	20	19	29	30	30	15
14	25	17	19	37	44	41	35	38	37	14	14	14	24	24	24	14
13	20	14	16	33	38	36	31	34	33	11	11	11	19	18	18	13
12	16	11	13	28	32	31	28	30	29	8	8	8	14	13	13	12
11	13	9	10	24	27	26	24	25	24	7	5	6	11	9	10	11
10	9	6	7	20	23	22	18	19	19	5	4	4	8	6	7	10
9	7	4	5	16	19	18	14	14	14	3	2	3	5	4	4	9
8	5	2	3	12	14	13	10	11	10	2	2	2	3	2	3	8
7	3	1	2	8	10	9	7	7	7	2	1	1	2	1	1	7
6	2	1	1	5	6	6	5	4	5	1	1	1	1	1	1	6
5	1	1	1	4	4	4	3	2	2	1	1	1	1	1	1	5
4	1	1	1	3	3	3	1	1	1	1	1	1	1	1	1	4
3	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	18.0	19.1	18.6	17.2	15.9	16.3	17.9	16.9	17.3	21.7	20.3	20.7	18.6	18.2	18.4	
Std. Dev.	5.5	5.1	5.3	7.4	7.0	7.2	7.4	6.6	7.0	6.2	5.6	6.1	5.9	5.3	5.5	

Sample Size Men (M): 813 Women (W): 1,550 Total (T): 2,363

High School Grade Percentages

High School Grade	English M	English W	English T	Mathematics M	Mathematics W	Mathematics T	Social Studies M	Social Studies W	Social Studies T	Natural Sciences M	Natural Sciences W	Natural Sciences T	Average[a] M	Average[a] W	Average[a] T	High School Grade
A (4)	24	40	35	16	18	17	29	37	34	18	24	22	21	29	26	A (4)
B (3)	45	40	42	28	34	32	39	39	39	35	38	37	50	53	52	B (3)
C (2)	25	16	19	35	30	32	23	17	19	27	21	23	27	17	21	C (2)
D (1)	5	2	3	12	9	10	4	3	3	6	4	4	2	1	1	D (1)
F (0)	1	0	0	2	1	1	0	0	0	1	0	1	0	0	0	F (0)
Not Taken	0	1	1	8	9	9	5	4	5	13	13	13				Not Taken
Mean	2.88	3.20	3.09	2.48	2.64	2.59	2.98	3.14	3.08	2.74	2.93	2.87	2.77	2.97	2.90	
Std. Dev.	0.85	0.79	0.83	0.98	0.93	0.95	0.85	0.82	0.83	0.89	0.86	0.88	0.67	0.64	0.66	

Sample Size Men (M): 733 Women (W): 1,357 Total (T): 2,090

[a]Rounded to the nearest whole letter grade

TABLE 2.65

ACT Score and High School Grade Norms for Students Planning to Major in Foreign Languages

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	97	99	98	99	99	99	32
31	99	99	99	99	99	99	99	99	99	91	97	96	99	99	99	31
30	99	98	98	98	98	98	98	99	98	88	95	94	99	99	99	30
29	99	95	95	95	96	96	97	96	96	83	94	90	98	98	98	29
28	98	92	93	88	92	92	97	93	93	78	86	85	95	95	95	28
27	91	89	89	81	88	87	95	90	91	76	82	81	93	91	91	27
26	86	85	85	76	82	81	91	86	87	76	78	78	90	87	88	26
25	86	81	82	69	79	77	84	80	80	69	72	71	83	83	83	25
24	83	77	78	66	76	74	78	73	73	59	64	63	78	79	78	24
23	72	73	71	66	71	70	72	64	65	52	58	57	72	74	74	23
22	62	58	58	62	67	66	67	56	58	48	52	52	64	66	66	22
21	57	43	45	57	63	62	66	52	54	47	53	46	57	58	58	21
20	53	33	36	52	56	55	66	49	52	43	39	40	53	49	50	20
19	52	26	30	48	49	49	62	43	46	41	34	35	50	39	41	19
18	50	21	25	45	44	44	55	35	39	40	30	31	45	32	34	18
17	45	16	20	38	38	38	52	29	33	34	25	27	41	28	30	17
16	40	13	17	31	31	31	48	26	30	28	21	22	41	24	26	16
15	31	11	14	28	26	26	41	24	28	24	17	18	40	18	21	15
14	22	9	11	28	22	23	38	21	24	19	12	13	36	13	16	14
13	16	7	9	28	19	21	38	18	21	10	8	8	29	10	13	13
12	10	6	7	28	17	18	38	17	20	5	5	5	24	8	10	12
11	9	5	6	28	14	16	38	15	18	2	3	3	19	6	8	11
10	5	4	4	26	12	14	33	12	15	1	1	1	12	6	7	10
9	3	3	3	24	9	11	24	9	11	1	1	1	7	4	5	9
8	3	2	2	24	7	10	17	7	8	1	1	1	3	2	2	8
7	3	1	1	24	4	7	12	4	6	1	1	1	2	1	1	7
6	3	1	1	21	4	7	5	3	3	1	1	1	1	1	1	6
5	3	1	1	14	2	4	1	2	2	1	1	1	1	1	1	5
4	2	1	1	9	2	3	1	1	1	1	1	1	1	1	1	4
3	1	1	1	7	1	2	1	1	1	1	1	1	1	1	1	3
2	1	1	1	5	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1
Mean	18.6	21.1	20.7	18.1	18.9	18.8	17.1	20.4	20.1	22.4	22.3	22.3	19.2	20.8	20.6	
Std. Dev.	5.8	5.0	5.2	6.7	6.6	6.9	7.4	6.5	6.8	6.5	5.6	5.8	6.4	5.1	5.4	

Sample Size Men (M): 29 Women (W): 168 Total (T): 197

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	48	59	56	26	33	32	44	51	50	26	35	34	41	45	45	A (4)
B (3)	33	33	33	26	34	33	30	34	33	37	34	35	33	48	46	B (3)
C (2)	15	7	8	41	20	23	26	13	15	30	21	22	26	7	10	C (2)
D (1)	4	0	1	7	4	4	0	0	0	4	1	1	0	0	0	D (1)
F (0)	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	0	1	1	0	8	7	0	2	1	4	9	8				Not Taken
Mean	3.26	3.32	3.49	2.70	3.05	2.99	3.19	3.39	3.36	2.88	3.14	3.10	3.01	3.27	3.23	
Std. Dev.	0.84	0.63	0.67	0.94	0.89	0.91	0.82	0.71	0.73	0.85	0.79	0.80	0.67	0.58	0.60	

Sample Size Men (M): 27 Women (W): 159 Total (T): 186

[a]Rounded to the nearest whole letter grade.

TABLE 2.66

ACT Score and High School Grade Norms for Students Planning to Major in Health Professions

ACT Score Percentile Ranks

Standard Score	English M	English W	English T	Mathematics M	Mathematics W	Mathematics T	Social Studies M	Social Studies W	Social Studies T	Natural Sciences M	Natural Sciences W	Natural Sciences T	Composite M	Composite W	Composite T	Standard Score
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	98	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	97	99	99	99	99	99	97	99	99	99	99	99	33
32	99	99	99	95	99	98	99	99	99	93	98	97	99	99	99	32
31	99	99	99	94	98	97	97	99	99	87	96	94	99	99	99	31
30	98	99	99	92	98	96	95	98	97	80	92	89	97	99	98	30
29	98	98	98	87	96	94	93	97	96	72	88	84	94	98	97	29
28	97	97	97	81	93	90	89	96	94	65	84	79	90	96	95	28
27	96	95	95	74	90	86	86	93	91	59	80	74	85	93	91	27
26	94	93	93	67	85	81	80	90	87	53	74	69	78	89	87	26
25	91	91	91	62	81	76	73	85	82	48	69	64	71	85	81	25
24	87	87	87	57	78	72	66	79	76	42	63	58	64	79	75	24
23	81	80	81	52	73	68	59	74	70	36	58	52	57	73	69	23
22	72	72	72	47	69	64	53	69	65	31	53	47	50	67	63	22
21	63	62	62	43	65	59	48	64	60	27	47	42	43	61	56	21
20	54	53	53	38	60	55	43	59	55	23	41	36	36	55	50	20
19	46	45	45	34	55	49	39	54	50	20	36	32	30	49	44	19
18	38	38	38	29	49	44	35	50	46	16	30	27	25	43	38	18
17	32	32	32	25	45	40	31	46	42	13	25	22	21	37	33	17
16	26	26	26	22	40	36	28	43	39	11	20	18	17	31	27	16
15	21	22	22	19	37	32	26	39	36	8	15	13	14	25	22	15
14	17	18	18	17	33	29	22	35	32	6	11	10	11	21	18	14
13	13	15	14	14	29	25	19	32	28	4	8	7	9	16	14	13
12	10	11	11	11	24	21	16	27	25	3	6	5	7	12	11	12
11	8	8	8	10	21	18	13	23	20	2	4	3	5	9	8	11
10	6	6	6	8	18	15	10	18	16	2	3	2	4	6	5	10
9	4	4	4	7	14	12	8	13	12	1	2	2	2	3	3	9
8	3	3	3	5	11	10	6	10	9	1	1	1	1	2	2	8
7	1	2	2	4	8	7	4	6	6	1	1	1	1	1	1	7
6	1	1	1	2	5	5	3	4	3	1	1	1	1	1	1	6
5	1	1	1	2	4	3	2	2	2	1	1	1	1	1	1	5
4	1	1	1	1	3	2	1	1	1	1	1	1	1	1	1	4
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	18.9	19.0	18.9	21.5	17.7	18.7	20.1	17.4	18.1	24.5	21.4	22.2	21.4	19.0	19.6	
Std. Dev.	5.1	5.1	5.1	7.2	7.2	7.4	6.9	6.9	7.0	6.0	6.0	6.1	5.5	5.5	5.6	

Sample Size Men (M): 1,646 Women (W): 4,871 Total (T): 6,517

High School Grade Percentages

High School Grade	English M	English W	English T	Mathematics M	Mathematics W	Mathematics T	Social Studies M	Social Studies W	Social Studies T	Natural Sciences M	Natural Sciences W	Natural Sciences T	Average[a] M	Average[a] W	Average[a] T	High School Grade
A (4)	38	44	42	32	26	27	51	45	46	42	33	35	43	38	39	A (4)
B (3)	44	40	41	35	36	36	33	36	35	36	39	38	45	49	48	B (3)
C (2)	16	14	14	24	26	26	11	13	13	15	19	18	12	13	12	C (2)
D (1)	2	1	1	5	5	5	1	2	2	2	2	2	0	0	0	D (1)
F (0)	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	0	1	1	3	5	5	4	4	4	4	7	6				Not Taken
Mean	3.18	3.27	3.25	2.95	2.87	2.89	3.40	3.29	3.31	3.22	3.09	3.13	3.18	3.13	3.14	
Std. Dev.	0.75	0.75	0.76	0.93	0.90	0.91	0.74	0.78	0.77	0.82	0.81	0.82	0.63	0.62	0.62	

Sample Size Men (M): 1,576 Women (W): 4,485 Total (T): 6,061

[a]Rounded to the nearest whole letter grade

TABLE 2.67

ACT Score and High School Grade Norms for Students Planning to Major in Home Economics

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32
31	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	31
30	99	99	99	99	99	99	99	99	99	99	97	97	99	99	99	30
29	99	99	99	95	99	99	99	98	98	95	94	94	99	99	99	29
28	99	98	98	90	98	98	99	97	97	85	91	91	99	99	99	28
27	99	97	97	90	95	95	99	96	96	75	87	87	99	98	98	27
26	99	96	96	90	91	91	99	93	94	70	83	83	95	95	95	26
25	99	94	94	90	88	88	90	90	90	70	79	79	90	92	92	25
24	90	90	90	85	86	86	80	84	84	70	75	75	90	88	88	24
23	80	86	86	80	83	83	80	78	78	70	71	71	90	82	83	23
22	80	78	78	75	80	80	80	74	74	70	67	67	80	77	77	22
21	80	70	70	65	76	76	80	70	71	65	62	62	65	70	70	21
20	80	62	63	60	72	72	75	67	67	55	55	55	60	65	65	20
19	75	55	55	60	67	67	70	63	63	50	49	49	60	61	61	19
18	70	47	47	60	62	62	65	60	60	45	43	43	60	56	56	18
17	65	40	40	60	56	56	60	56	56	40	36	36	60	49	50	17
16	45	34	34	60	52	52	60	52	52	35	29	30	55	43	43	16
15	30	30	30	60	48	49	60	49	50	25	22	22	50	37	37	15
14	25	26	26	60	45	45	60	45	46	15	15	15	45	31	31	14
13	15	20	20	55	39	40	60	40	41	5	12	12	40	24	24	13
12	10	14	14	45	34	34	60	36	36	1	9	9	30	18	18	12
11	10	10	10	35	30	30	55	31	31	1	6	6	15	13	13	11
10	10	7	7	25	26	26	35	25	26	1	5	5	5	9	9	10
9	10	5	5	20	21	21	10	20	20	1	4	4	1	6	5	9
8	10	4	4	15	16	16	1	14	14	1	2	2	1	3	3	8
7	10	3	3	10	12	11	1	9	9	1	2	1	1	1	1	7
6	10	2	2	10	7	7	1	6	6	1	1	1	1	1	1	6
5	10	1	1	10	4	4	1	3	3	1	1	1	1	1	1	5
4	5	1	1	10	3	3	1	2	1	1	1	1	1	1	1	4
3	1	1	1	5	1	1	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	16.3	17.8	17.8	15.3	15.6	15.6	14.7	15.9	15.9	20.1	19.6	19.6	16.6	17.3	17.3	
Std. Dev.	5.4	5.2	5.2	7.8	6.8	6.9	6.3	6.9	6.9	5.7	5.8	5.8	5.4	5.4	5.4	

Sample Size Men (M) 10 Women (W) 499 Total (T) 509

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	11	42	41	11	23	22	22	38	38	25	26	26	11	33	33	A (4)
B (3)	56	36	37	56	30	31	67	36	36	13	33	32	78	45	46	B (3)
C (2)	33	19	19	33	31	31	11	18	18	38	24	24	11	21	20	C (2)
D (1)	0	2	2	0	8	8	0	5	5	0	4	4	0	1	1	D (1)
F (0)	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	0	1	1	0	7	7	0	3	3	25	13	13				Not Taken
Mean	2.78	3.17	3.17	2.78	2.71	2.71	3.11	3.10	3.10	2.83	2.93	2.93	2.83	2.97	2.96	
Std. Dev.	0.63	0.84	0.84	0.63	0.96	0.95	0.57	0.89	0.88	0.90	0.88	0.88	0.54	0.70	0.70	

Sample Size Men (M) 9 Women (W) 445 Total (T) 454

[a]Rounded to the nearest whole letter grade

TABLE 2.68

ACT Score and High School Grade Norms for Students Planning to Major in Letters

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	98	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	98	99	99	98	99	99	98	99	98	99	99	99	33
32	98	99	99	97	99	98	96	98	97	94	97	96	99	99	99	32
31	98	98	98	97	98	97	95	96	95	89	94	91	97	99	98	31
30	97	97	97	95	97	96	92	93	92	83	90	86	95	98	96	30
29	97	95	96	91	95	93	88	90	89	77	84	81	92	95	94	29
28	94	93	93	86	93	90	84	88	86	71	78	75	89	92	90	28
27	91	88	89	81	90	86	78	83	81	66	72	69	84	88	86	27
26	88	82	85	76	86	82	73	77	75	61	67	64	78	83	81	26
25	85	76	80	75	83	79	67	69	68	56	62	59	72	78	75	25
24	80	69	74	72	81	76	62	61	62	50	56	54	67	71	69	24
23	75	60	67	67	78	73	56	55	56	45	51	48	61	64	62	23
22	67	49	58	63	74	69	51	50	50	41	45	43	56	57	56	22
21	58	39	48	58	69	64	46	46	46	37	40	39	51	51	51	21
20	49	30	39	53	63	58	41	41	41	33	36	35	44	44	44	20
19	43	24	33	48	56	52	36	36	36	29	31	30	37	37	37	19
18	37	20	28	44	51	48	32	33	32	24	25	25	31	31	31	18
17	32	17	24	40	46	44	29	30	30	18	19	19	27	26	26	17
16	27	14	20	36	41	38	26	29	27	15	15	15	23	20	22	16
15	22	12	17	31	36	34	23	26	25	12	11	12	19	16	17	15
14	18	10	14	27	34	31	20	24	22	10	8	9	14	12	13	14
13	13	7	10	21	28	25	17	19	18	9	5	7	10	9	9	13
12	8	4	6	17	22	20	15	16	15	6	3	5	8	6	7	12
11	5	3	4	14	19	17	13	12	12	4	2	3	6	4	5	11
10	3	2	3	12	17	15	10	9	9	3	1	2	4	3	4	10
9	3	1	2	10	14	12	6	7	7	2	1	1	3	2	2	9
8	2	1	1	7	12	9	4	5	4	1	1	1	1	1	1	8
7	1	1	1	5	8	7	2	3	3	1	1	1	1	1	1	7
6	1	1	1	4	4	4	1	2	1	1	1	1	1	1	1	6
5	1	1	1	4	3	3	1	1	1	1	1	1	1	1	1	5
4	1	1	1	3	2	2	1	1	1	1	1	1	1	1	1	4
3	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	19.6	21.6	20.6	19.2	17.5	18.3	20.9	20.5	20.7	23.2	22.6	22.9	20.8	20.6	20.7	
Std. Dev.	5.4	4.9	5.2	7.5	7.0	7.3	7.1	7.0	7.0	6.5	5.8	6.2	5.9	5.3	5.6	

Sample Size Men (M) 258 Women (W) 281 Total (T) 539

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	35	59	47	25	24	25	39	51	45	28	32	30	30	40	35	A (4)
B (3)	39	32	35	30	26	28	33	33	33	32	32	32	45	48	46	B (3)
C (2)	22	7	14	28	35	32	18	13	16	27	20	23	25	10	18	C (2)
D (1)	4	1	3	11	5	8	6	2	4	6	4	5	1	1	1	D (1)
F (0)	0	0	0	3	0	1	0	0	0	0	1	1	0	0	0	F (0)
Not Taken	0	1	0	3	9	6	4	2	3	7	12	9				Not Taken
Mean	3.05	3.50	3.28	2.66	2.76	2.71	3.10	3.35	3.23	2.86	3.02	2.94	2.91	3.17	3.04	
Std. Dev.	0.86	0.70	0.81	1.07	0.91	1.00	0.91	0.78	0.85	0.93	0.91	0.93	0.72	0.63	0.69	

Sample Size Men (M) 242 Women (W) 242 Total (T) 484

[a]Rounded to the nearest whole letter grade.

TABLE 2.69

ACT Score and High School Grade Norms for Students Planning to Major in Mathematical Fields

ACT Score Percentile Ranks

Standard Score	English M	English W	English T	Mathematics M	Mathematics W	Mathematics T	Social Studies M	Social Studies W	Social Studies T	Natural Sciences M	Natural Sciences W	Natural Sciences T	Composite M	Composite W	Composite T	Standard Score
36	99	99	99	98	99	98	99	99	99	99	99	99	99	99	99	36
35	99	99	99	94	96	95	99	99	99	99	99	99	99	99	99	35
34	99	99	99	91	94	92	99	99	99	99	99	99	99	99	99	34
33	99	99	99	87	91	89	98	98	98	96	98	97	99	99	99	33
32	99	99	99	82	89	85	97	98	97	91	96	93	98	98	98	32
31	98	97	98	78	86	81	96	96	96	84	93	88	96	95	95	31
30	98	95	96	72	80	75	93	93	93	75	85	79	92	92	92	30
29	96	94	95	63	71	66	89	91	90	65	72	68	88	89	88	29
28	97	92	95	57	60	58	85	89	87	58	62	59	82	83	83	28
27	95	89	92	47	47	47	81	84	82	53	57	54	75	75	75	27
26	91	83	88	35	37	36	75	76	75	46	52	48	66	64	65	26
25	88	74	82	28	33	30	68	67	68	40	47	43	55	53	54	25
24	82	65	75	23	30	26	58	60	59	34	41	37	45	44	45	24
23	73	55	65	19	26	22	49	52	50	29	37	32	38	37	38	23
22	60	43	53	14	22	18	44	46	45	25	34	29	31	31	31	22
21	49	33	42	11	18	14	41	41	41	22	30	25	25	28	26	21
20	41	24	34	9	15	11	37	39	38	18	25	21	21	24	22	20
19	35	19	28	7	13	10	32	36	34	14	21	17	17	18	18	19
18	29	15	23	5	13	8	28	33	30	11	16	13	14	15	14	18
17	22	12	18	4	12	8	25	30	27	9	12	10	10	15	12	17
16	17	11	14	4	11	7	22	28	25	8	11	9	7	13	10	16
15	14	9	12	3	10	6	21	26	23	6	8	7	6	10	7	15
14	11	7	10	3	9	5	20	22	21	5	6	5	5	9	6	14
13	9	6	8	3	7	5	17	19	18	3	5	4	4	8	6	13
12	6	5	6	3	7	4	13	16	14	2	4	3	3	7	5	12
11	5	4	4	2	6	4	10	14	12	2	4	3	3	4	4	11
10	3	3	3	2	4	3	7	11	9	1	4	2	3	3	3	10
9	2	2	2	2	4	3	7	7	7	1	3	2	2	2	2	9
8	2	1	2	2	3	2	5	4	5	1	2	1	1	1	1	8
7	1	1	1	2	3	2	3	3	3	1	1	1	1	1	1	7
6	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	6
5	1	1	1	2	2	2	1	2	2	1	1	1	1	1	1	5
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	20.3	22.1	21.0	27.0	25.5	26.4	21.3	20.7	21.0	25.5	24.3	25.0	23.6	23.3	23.5	
Std. Dev.	4.8	4.9	4.9	5.8	6.8	6.2	6.9	7.1	7.0	5.9	6.2	6.0	5.1	5.6	5.3	

Sample Size Men (M) 174; Women (W) 123; Total (T) 297

High School Grade Percentages

High School Grade	English M	English W	English T	Mathematics M	Mathematics W	Mathematics T	Social Studies M	Social Studies W	Social Studies T	Natural Sciences M	Natural Sciences W	Natural Sciences T	Average[a] M	Average[a] W	Average[a] T	High School Grade
A (4)	38	61	48	67	77	71	46	59	53	42	56	48	55	69	61	A (4)
B (3)	49	31	41	24	17	21	40	28	35	36	25	32	39	29	35	B (3)
C (2)	11	6	9	6	3	5	8	7	7	11	8	10	6	2	4	C (2)
D (1)	2	1	1	2	1	2	2	2	2	4	0	2	1	0	0	D (1)
F (0)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	1	1	1	0	2	1	2	4	3	7	11	9				Not Taken
Mean	3.24	3.55	3.36	3.56	3.74	3.63	3.38	3.50	3.43	3.25	3.53	3.36	3.36	3.59	3.45	
Std. Dev.	0.71	0.64	0.70	0.72	0.56	0.66	0.71	0.71	0.71	0.82	0.66	0.77	0.56	0.46	0.53	

Sample Size Men (M) 170; Women (W) 118; Total (T) 288

[a]Rounded to the nearest whole letter grade

TABLE 2.70

ACT Score and High School Grade Norms for Students Planning to Major in Physical Science Fields

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	98	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	96	99	97	99	99	99	96	99	97	99	99	99	34
33	99	99	99	94	97	94	98	99	98	90	98	92	99	99	99	33
32	99	98	99	90	95	92	97	98	97	80	94	84	98	98	98	32
31	99	96	98	87	94	89	94	95	94	68	87	74	96	96	96	31
30	97	93	96	83	92	86	90	93	91	59	79	65	92	93	92	30
29	96	91	95	76	86	79	85	90	87	50	73	57	87	92	88	29
28	95	90	93	67	79	70	81	86	82	44	67	51	79	88	82	28
27	92	88	91	59	72	62	75	82	77	38	60	45	70	80	73	27
26	88	84	87	52	65	56	68	75	70	32	52	38	60	72	64	26
25	83	80	82	47	58	50	60	66	62	27	44	32	51	65	56	25
24	78	73	76	41	53	45	52	59	54	22	38	27	44	57	48	24
23	70	65	69	36	50	40	43	52	46	18	32	22	38	49	41	23
22	61	54	59	31	47	36	38	46	40	15	26	18	32	43	35	22
21	52	43	49	27	45	32	33	41	36	12	21	15	27	36	30	21
20	43	32	39	23	41	28	29	38	32	10	16	12	22	31	25	20
19	35	23	31	18	34	23	27	34	29	8	12	9	18	25	20	19
18	29	17	25	14	27	18	25	29	26	6	9	7	14	18	15	18
17	23	14	20	12	23	15	22	25	23	4	6	5	11	12	11	17
16	18	10	16	11	19	13	20	22	20	3	4	3	8	8	8	16
15	15	7	13	9	16	11	18	19	18	2	2	2	6	4	6	15
14	11	5	10	8	14	10	15	15	15	1	1	1	5	2	4	14
13	8	4	7	6	11	8	12	12	12	1	1	1	3	2	3	13
12	5	3	5	5	8	6	10	9	9	1	1	1	2	1	2	12
11	4	2	3	5	6	5	8	7	7	1	1	1	1	1	1	11
10	3	1	2	4	5	4	6	4	5	1	1	1	1	1	1	10
9	2	1	2	3	3	3	3	3	3	1	1	1	1	1	1	9
8	1	1	1	2	2	2	2	3	2	1	1	1	1	1	1	8
7	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	7
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	20.4	21.8	20.8	24.4	22.1	23.7	22.4	21.5	22.1	27.6	25.3	26.9	23.9	22.8	23.5	
Std. Dev.	4.9	4.7	4.9	6.4	6.7	6.6	6.5	6.3	6.4	5.0	4.9	5.1	5.0	4.8	4.9	

Sample Size Men (M) 505 Women (W) 220 Total (T) 725

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	38	57	44	37	42	39	55	60	56	49	53	50	46	57	49	A (4)
B (3)	45	34	41	37	36	37	31	30	31	35	27	33	45	37	42	B (3)
C (2)	14	8	12	21	15	19	9	4	7	13	17	14	9	6	8	C (2)
D (1)	3	0	2	3	3	3	2	1	2	1	0	0	0	0	0	D (1)
F (0)	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	0	0	0	1	3	2	3	4	4	2	3	2				Not Taken
Mean	3.18	3.49	3.27	3.06	3.19	3.10	3.44	3.56	3.47	3.35	3.37	3.36	3.24	3.39	3.29	
Std. Dev.	0.78	0.66	0.76	0.93	0.85	0.91	0.73	0.64	0.71	0.74	0.76	0.75	0.63	0.55	0.61	

Sample Size Men (M) 497 Women (W) 209 Total (T) 706

[a]Rounded to the nearest whole letter grade.

TABLE 2.71

ACT Score and High School Grade Norms for Students Planning to Major in Community Service Fields

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32
31	99	99	99	99	99	99	99	99	99	97	99	98	99	99	99	31
30	99	99	99	99	99	99	99	99	99	95	97	97	99	99	99	30
29	99	99	99	99	99	99	98	99	99	93	95	94	99	99	99	29
28	99	98	99	97	98	97	97	98	97	90	93	92	99	99	99	28
27	99	98	98	94	96	95	94	96	95	87	90	89	98	98	98	27
26	99	96	97	92	94	93	90	92	92	82	87	85	96	96	96	26
25	99	95	96	89	92	91	86	88	87	76	83	80	93	93	93	25
24	97	92	93	86	90	89	81	84	83	72	79	77	89	89	89	24
23	94	88	90	84	88	87	76	79	78	66	76	72	85	86	86	23
22	91	80	84	81	86	84	71	75	74	60	72	68	80	82	81	22
21	86	73	77	78	82	81	66	72	70	55	68	63	75	77	76	21
20	80	66	70	73	78	76	62	68	66	50	63	58	70	72	71	20
19	71	57	62	69	75	73	59	64	62	46	56	52	64	67	66	19
18	64	50	55	64	70	68	55	60	58	40	48	45	57	61	59	18
17	57	43	48	59	65	63	51	56	55	34	41	38	49	55	53	17
16	50	35	41	55	61	59	48	53	51	28	33	31	42	47	45	16
15	45	29	35	51	57	55	44	50	48	21	25	24	36	39	38	15
14	39	23	29	47	53	51	41	45	44	15	18	17	31	31	31	14
13	32	19	23	41	46	44	36	40	39	12	14	13	26	25	25	13
12	26	15	19	33	39	36	33	35	34	9	10	10	21	19	19	12
11	21	11	15	26	33	30	29	29	29	7	7	7	15	14	14	11
10	16	8	11	21	28	26	23	23	23	4	5	4	10	9	9	10
9	11	6	8	18	23	21	18	17	17	3	3	3	6	5	5	9
8	8	4	5	14	18	17	13	13	13	2	2	2	2	2	2	8
7	5	2	3	10	13	12	9	8	9	1	1	1	1	1	1	7
6	3	1	2	6	9	8	5	5	5	1	1	1	1	1	1	6
5	1	1	1	5	6	6	3	2	3	1	1	1	1	1	1	5
4	1	1	1	4	4	4	1	1	1	1	1	1	1	1	1	4
3	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	15.6	17.6	16.9	15.5	14.5	14.8	16.6	16.0	16.2	20.0	18.8	19.3	17.1	16.8	16.9	
Std. Dev.	5.0	5.0	5.1	6.7	6.6	5.6	7.1	6.8	6.9	6.0	5.6	5.8	5.3	5.1	5.2	

Sample Size Men (M) 422 Women (W) 751 Total (T) 1,173

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	17	32	27	9	19	15	26	34	31	14	19	17	12	25	21	A (4)
B (3)	44	47	46	33	31	32	44	40	41	36	37	37	58	54	55	B (3)
C (2)	32	18	23	36	31	33	22	19	20	29	25	27	27	20	23	C (2)
D (1)	5	3	4	11	9	10	3	3	3	7	5	5	2	1	1	D (1)
F (0)	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	1	0	1	10	10	10	5	4	4	15	14	14				Not Taken
Mean	2.71	3.08	2.95	2.42	2.63	2.56	2.95	3.09	3.04	2.65	2.82	2.76	2.69	2.92	2.83	
Std. Dev.	0.84	0.80	0.83	0.88	0.95	0.93	0.82	0.82	0.83	0.85	0.84	0.85	0.62	0.62	0.63	

Sample Size Men (M) 372 Women (W) 649 Total (T) 1,021

[a]Rounded to the nearest whole letter grade.

TABLE 2.72

ACT Score and High School Grade Norms for Students Planning to Major in Social Sciences

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	98	99	99	98	99	99	98	99	99	99	99	99	**33**
32	99	99	99	97	99	98	96	99	98	95	98	97	99	99	99	**32**
31	99	99	99	95	99	97	93	98	96	90	96	93	98	99	99	**31**
30	98	98	98	94	98	96	90	96	94	83	92	88	96	99	98	**30**
29	97	97	97	91	96	94	87	94	91	75	88	83	94	97	96	**29**
28	96	95	96	87	94	91	82	90	87	70	84	78	91	95	93	**28**
27	94	93	94	81	90	86	76	86	82	64	78	72	85	91	89	**27**
26	92	90	91	75	85	81	69	81	76	58	72	66	79	86	83	**26**
25	89	86	87	71	82	77	61	75	69	52	67	61	72	81	77	**25**
24	85	80	82	67	79	74	53	68	62	46	62	55	64	75	70	**24**
23	78	72	74	61	74	69	46	63	56	40	56	49	56	69	63	**23**
22	69	62	65	57	70	65	41	57	50	35	51	44	48	62	56	**22**
21	58	52	55	52	66	60	36	52	45	31	45	39	41	55	49	**21**
20	49	43	46	47	61	55	32	46	40	27	39	34	34	49	43	**20**
19	41	36	38	42	56	50	28	42	36	23	34	30	29	42	37	**19**
18	34	29	31	37	51	45	25	39	33	19	29	25	25	36	32	**18**
17	28	24	26	32	46	40	23	35	30	15	23	19	21	31	27	**17**
16	23	20	21	29	41	36	22	32	28	12	18	15	17	25	22	**16**
15	19	16	17	26	37	32	20	29	25	9	13	11	14	20	18	**15**
14	16	13	14	22	33	29	17	25	22	7	9	8	12	16	14	**14**
13	12	10	11	18	29	24	15	21	19	5	7	6	9	12	11	**13**
12	9	7	8	14	24	20	13	18	16	4	5	5	7	8	8	**12**
11	7	5	6	12	20	17	10	15	13	3	4	3	5	6	5	**11**
10	5	3	4	10	17	14	8	11	10	2	3	2	3	4	4	**10**
9	3	2	2	7	14	11	6	8	7	1	2	2	2	2	2	**9**
8	2	1	1	5	11	9	5	5	5	1	1	1	1	1	1	**8**
7	1	1	1	4	8	6	3	3	3	1	1	1	1	1	1	**7**
6	1	1	1	3	5	4	2	2	2	1	1	1	1	1	1	**6**
5	1	1	1	2	3	3	1	1	1	1	1	1	1	1	1	**5**
4	1	1	1	1	3	2	1	1	1	1	1	1	1	1	1	**4**
3	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	19.4	20.2	19.9	20.2	17.6	18.6	21.9	19.6	20.6	23.9	21.7	22.6	21.5	19.9	20.5	
Std. Dev.	5.1	4.9	5.0	7.1	7.1	7.2	7.0	6.9	7.0	6.1	5.9	6.1	5.5	5.3	5.5	

Sample Size Men (M) 1,145; Women (W) 1,600; Total (T) 2,745

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	36	48	43	21	23	22	52	53	53	27	30	29	33	38	36	**A (4)**
B (3)	44	40	42	35	35	35	34	33	34	37	38	38	50	50	50	**B (3)**
C (2)	16	10	13	31	27	29	10	9	10	23	19	20	15	11	13	**C (2)**
D (1)	3	1	2	7	7	7	1	1	1	4	3	3	1	0	1	**D (1)**
F (0)	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	**F (0)**
Not Taken	1	1	1	4	7	6	3	3	3	9	11	10				**Not Taken**
Mean	3.13	3.36	3.27	2.71	2.77	2.74	3.40	3.44	3.42	2.94	3.06	3.01	3.04	3.15	3.10	
Std. Dev.	0.79	0.71	0.76	0.93	0.95	0.94	0.73	0.71	0.72	0.87	0.82	0.85	0.62	0.60	0.61	

Sample Size Men (M) 1,080; Women (W) 1,461; Total (T) 2,541

[a]Rounded to the nearest whole letter grade

TABLE 2.73

ACT Score and High School Grade Norms for Students Planning to Major in Trade, Industrial, and Technical Fields

ACT Score Percentile Ranks

Standard Score	English M	English W	English T	Mathematics M	Mathematics W	Mathematics T	Social Studies M	Social Studies W	Social Studies T	Natural Sciences M	Natural Sciences W	Natural Sciences T	Composite M	Composite W	Composite T	Standard Score
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**33**
32	99	99	99	99	99	99	99	99	99	98	99	98	99	99	99	**32**
31	99	99	99	98	99	98	99	99	99	95	99	96	99	99	99	**31**
30	99	99	99	98	99	98	98	99	99	92	99	93	99	99	99	**30**
29	99	99	99	97	97	97	98	99	98	89	99	90	99	99	99	**29**
28	99	99	99	94	95	94	96	99	97	87	99	87	97	99	98	**28**
27	99	99	99	91	95	91	95	99	95	83	96	84	96	99	96	**27**
26	99	99	99	88	94	88	92	97	92	79	91	80	93	99	94	**26**
25	98	99	98	85	93	86	89	94	89	74	86	75	90	96	91	**25**
24	96	97	97	82	90	83	85	89	85	69	82	70	87	92	87	**24**
23	94	93	94	79	87	79	81	82	81	63	76	64	83	89	84	**23**
22	90	87	90	75	85	76	78	74	77	59	71	59	78	86	79	**22**
21	85	76	84	71	84	72	74	69	74	54	66	54	73	81	74	**21**
20	78	65	77	67	83	68	71	65	71	48	57	49	68	73	69	**20**
19	72	59	71	62	79	63	68	61	67	44	47	44	63	64	63	**19**
18	66	53	65	56	75	58	64	58	64	38	41	38	57	57	57	**18**
17	59	45	58	52	71	53	61	55	60	32	37	33	52	5	52	**17**
16	54	39	53	46	64	48	58	52	58	27	31	28	46	45	46	**16**
15	48	34	47	42	55	43	54	51	54	21	23	21	40	39	40	**15**
14	42	30	41	38	47	38	50	50	50	16	17	16	34	34	34	**14**
13	37	24	36	33	41	34	46	47	46	12	13	12	28	28	28	**13**
12	32	19	31	28	34	28	41	43	41	9	9	9	22	24	22	**12**
11	26	16	25	24	30	25	35	40	36	7	6	7	16	20	17	**11**
10	19	12	18	21	28	21	28	34	29	5	3	5	11	13	11	**10**
9	13	7	12	17	24	18	22	26	23	4	2	4	7	9	7	**9**
8	9	4	8	13	22	14	17	20	18	3	1	3	5	5	5	**8**
7	5	2	5	10	17	10	12	16	12	2	1	2	3	2	3	**7**
6	3	1	3	7	9	7	8	12	8	1	1	1	1	1	1	**6**
5	1	1	1	5	3		4	7	4	1	1	1	1	1	1	**5**
4	1	1	1	3	3	3	2	3	2	1	1	1	1	1	1	**4**
3	1	1	1	2	2	2	1	2	1	1	1	1	1	1	1	**3**
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	15.2	16.9	15.4	16.7	14.4	16.5	15.2	15.0	15.2	20.4	19.0	20.3	17.0	16.4	17.0	
Std. Dev.	5.3	4.8	5.2	7.2	6.6	7.2	7.1	7.2	7.1	6.4	5.0	6.3	5.7	5.1	5.7	

Sample Size Men (M) 959 Women (W) 76 Total (T) 1,035

High School Grade Percentages

High School Grade	English M	English W	English T	Mathematics M	Mathematics W	Mathematics T	Social Studies M	Social Studies W	Social Studies T	Natural Sciences M	Natural Sciences W	Natural Sciences T	Average[a] M	Average[a] W	Average[a] T	High School Grade
A (4)	14	31	15	14	20	15	19	25	20	15	9	15	14	21	15	**A (4)**
B (3)	40	35	40	31	37	32	42	54	43	36	46	36	51	53	51	**B (3)**
C (2)	37	24	36	36	31	35	28	11	27	27	24	27	33	24	32	**C (2)**
D (1)	7	7	7	9	7	9	5	4	5	5	7	5	2	2	2	**D (1)**
F (0)	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	**F (0)**
Not Taken	2	3	2	9	4	8	5	4	5	17	13	17				**Not Taken**
Mean	2.62	2.93	2.64	2.53	2.73	2.55	2.78	3.06	2.80	2.72	2.66	2.72	2.66	2.84	2.67	
Std. Dev.	0.82	0.92	0.83	0.92	0.87	0.92	0.83	0.75	0.83	0.85	0.78	0.84	0.65	0.62	0.65	

Sample Size Men (M) 836 Women (W) 66 Total (T) 902

[a]Rounded to the nearest whole letter grade

TABLE 2.74

ACT Score and High School Grade Norms for Students Planning to Major in General Studies

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	98	99	99	99	99	99	97	99	99	99	99	99	33
32	99	99	99	98	98	98	97	99	99	95	98	97	99	99	99	32
31	98	99	99	98	97	97	96	99	98	91	95	94	98	99	99	31
30	98	98	98	96	95	96	95	98	97	87	92	90	97	98	98	30
29	97	98	97	93	93	93	92	96	95	82	87	85	95	97	96	29
28	97	96	96	88	92	90	89	94	92	78	82	80	93	95	94	28
27	96	94	95	83	88	86	84	92	89	72	78	76	89	92	91	27
26	93	91	92	78	82	80	79	88	85	65	73	70	84	87	86	26
25	90	86	88	74	78	76	75	82	79	58	67	64	79	82	80	25
24	87	82	84	70	75	73	68	74	72	52	62	58	73	76	75	24
23	82	74	77	65	72	69	63	68	66	48	57	53	67	70	69	23
22	76	62	67	62	69	66	58	64	62	43	53	49	59	64	62	22
21	67	52	58	58	65	62	53	59	56	38	48	44	53	57	55	21
20	58	45	50	52	60	57	48	54	51	32	42	38	47	51	49	20
19	49	38	42	46	55	51	45	50	48	26	37	33	40	46	43	19
18	41	31	35	40	50	46	42	47	45	20	31	27	34	40	38	18
17	34	26	29	35	46	42	39	44	42	15	25	21	29	34	32	17
16	29	20	24	31	42	38	37	40	39	12	20	17	23	28	26	16
15	25	17	20	27	38	34	34	36	35	8	14	12	19	23	22	15
14	21	14	17	23	35	30	29	32	31	6	9	8	15	19	17	14
13	16	12	14	19	30	26	25	28	26	5	7	6	11	15	14	13
12	13	9	10	15	24	21	21	24	23	4	6	5	7	11	9	12
11	10	6	7	12	20	17	16	20	19	2	4	4	4	7	6	11
10	6	4	4	9	17	14	11	16	14	1	3	3	2	4	3	10
9	3	2	2	6	14	11	8	11	10	1	3	2	1	3	2	9
8	1	1	1	4	10	8	5	7	6	1	2	2	1	2	1	8
7	1	1	1	3	8	6	3	4	4	1	1	1	1	1	1	7
6	1	1	1	2	5	4	1	3	2	1	1	1	1	1	1	6
5	1	1	1	1	4	3	1	1	1	1	1	1	1	1	1	5
4	1	1	1	1	3	2	1	1	1	1	1	1	1	1	1	4
3	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	18.7	20.0	19.5	19.6	17.8	18.5	19.4	18.2	18.7	23.1	21.5	22.1	20.4	19.5	19.8	
Std. Dev.	5.1	5.1	5.1	6.8	7.6	7.3	7.1	6.9	7.0	5.8	6.1	6.0	5.4	5.6	5.5	

Sample Size Men (M) 263; Women (W) 421; Total (T) 684

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	24	45	37	23	27	25	36	39	38	20	33	28	28	38	34	A (4)
B (3)	46	41	43	33	32	32	37	40	39	36	34	35	46	46	46	B (3)
C (2)	23	11	16	25	27	26	20	16	18	28	20	23	23	15	18	C (2)
D (1)	5	2	3	9	7	8	3	1	2	4	2	3	2	1	1	D (1)
F (0)	0	0	0	2	1	1	0	0	0	1	1	1	0	0	0	F (0)
Not Taken	2	1	1	8	7	7	4	4	4	10	11	11				Not Taken
Mean	2.90	3.30	3.15	2.72	2.83	2.79	3.10	3.21	3.17	2.79	3.08	2.96	2.88	3.11	3.02	
Std. Dev.	0.84	0.75	0.81	1.01	0.95	0.97	0.84	0.77	0.80	0.88	0.85	0.87	0.70	0.63	0.67	

Sample Size Men (M) 241; Women (W) 369; Total (T) 610

[a]Rounded to the nearest whole letter grade.

TABLE 2.75

ACT Score and High School Grade Norms for Students Undecided about Their Major

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	98	99	99	99	99	99	98	99	99	99	99	99	33
32	99	99	99	97	99	98	99	99	99	96	99	97	99	99	99	32
31	99	99	99	96	99	97	98	99	98	92	97	95	99	99	99	31
30	99	98	99	95	98	96	96	98	97	87	95	91	98	99	99	30
29	99	98	98	93	96	94	94	97	96	82	90	87	97	98	97	29
28	99	97	98	89	93	91	92	96	94	77	87	82	94	96	95	28
27	97	95	96	84	89	87	89	94	91	73	83	79	91	94	92	27
26	96	93	94	79	85	83	84	90	87	68	79	74	87	90	89	26
25	94	90	92	75	82	79	80	85	83	63	75	69	82	86	84	25
24	90	86	88	72	80	76	74	80	77	57	71	65	76	82	79	24
23	85	80	82	68	77	73	68	75	72	52	66	60	71	77	74	23
22	79	71	74	63	73	69	63	70	67	46	61	54	64	71	68	22
21	72	61	66	60	69	65	59	66	63	41	55	49	58	65	62	21
20	65	52	58	55	65	61	55	62	59	37	50	44	52	58	55	20
19	58	45	51	51	61	56	51	58	55	32	44	39	46	53	50	19
18	49	39	44	46	56	51	47	55	51	28	39	34	40	48	44	18
17	42	34	38	41	53	47	43	51	47	23	33	29	36	43	39	17
16	36	29	32	37	48	43	39	48	44	19	28	24	31	38	34	16
15	31	24	27	33	44	39	36	45	41	15	21	18	25	32	29	15
14	26	21	23	29	40	35	32	40	37	11	16	14	20	28	24	14
13	21	16	18	26	36	31	28	37	33	9	12	11	16	22	19	13
12	17	13	14	22	31	27	25	33	29	7	10	8	13	17	15	12
11	13	9	11	19	27	23	21	28	25	5	7	6	9	13	11	11
10	9	7	8	16	23	20	17	23	20	4	5	4	7	9	8	10
9	7	5	6	12	20	16	13	18	16	2	3	3	4	6	5	9
8	5	4	4	9	16	13	9	14	12	2	2	2	2	3	3	8
7	3	2	2	7	12	10	6	9	8	1	1	1	2	2	2	7
6	1	1	1	5	8	7	4	6	5	1	1	1	1	1	1	6
5	1	1	1	4	6	5	2	3	3	1	1	1	1	1	1	5
4	1	1	1	3	4	3	1	2	2	1	1	1	1	1	1	4
3	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	17.6	18.8	18.2	18.7	16.6	17.5	18.2	16.7	17.4	22.2	20.2	21.1	19.3	18.2	18.7	
Std. Dev	5.3	5.4	5.4	7.6	7.6	7.7	7.3	7.3	7.3	6.5	6.2	6.4	5.8	5.8	5.9	

Sample Size Men (M): 1,456; Women (W): 1,780; Total (T): 3,236

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	25	41	33	22	24	23	35	39	37	22	27	25	25	33	30	A (4)
B (3)	45	43	44	32	34	33	38	39	39	36	39	38	50	51	51	B (3)
C (2)	25	14	19	30	27	28	20	15	17	26	21	23	22	15	18	C (2)
D (1)	4	2	3	9	7	8	2	2	2	5	2	3	2	1	1	D (1)
F (0)	0	0	0	1	1	1	0	0	0	1	0	0	0	0	0	F (0)
Not Taken	1	0	1	5	7	7	4	4	4	10	11	11				Not Taken
Mean	2.89	3.22	3.07	2.68	2.79	2.74	3.10	3.19	3.15	2.84	3.00	2.93	2.86	3.05	2.97	
Std. Dev.	0.84	0.77	0.82	0.98	0.94	0.96	0.84	0.81	0.82	0.88	0.82	0.85	0.68	0.64	0.66	

Sample Size Men (M): 1,335; Women (W): 1,600; Total (T): 2,935

[a]Rounded to the nearest whole letter grade.

TABLE 2.76

ACT Score and High School Grade Norms for Afro-American/Black Students

ACT Score Percentile Ranks

Standard Score	English M	English W	English T	Mathematics M	Mathematics W	Mathematics T	Social Studies M	Social Studies W	Social Studies T	Natural Sciences M	Natural Sciences W	Natural Sciences T	Composite M	Composite W	Composite T	Standard Score
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32
31	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	31
30	99	99	99	99	99	99	99	99	99	98	99	99	99	99	99	30
29	99	99	99	99	99	99	99	99	99	97	99	98	99	99	99	29
28	99	99	99	99	99	99	98	99	99	96	99	98	99	99	99	28
27	99	99	99	98	99	99	98	99	99	95	98	97	99	99	99	27
26	99	99	99	97	99	98	97	98	98	94	98	96	98	99	99	26
25	99	99	99	96	98	97	95	97	97	93	96	95	97	99	98	25
24	98	98	98	95	98	97	94	96	95	91	95	93	96	98	97	24
23	98	97	97	93	97	96	92	95	94	89	93	92	95	97	96	23
22	97	95	96	92	97	95	90	93	92	87	91	90	93	97	95	22
21	95	92	93	90	96	94	88	92	90	83	89	87	91	95	94	21
20	92	88	90	88	94	92	86	90	88	80	86	84	89	93	92	20
19	89	83	85	86	92	91	84	87	86	76	83	80	86	91	89	19
18	85	79	81	83	89	88	82	84	83	71	77	75	83	87	86	18
17	80	75	77	80	87	84	79	82	81	65	70	69	80	83	82	17
16	75	70	72	76	84	81	77	80	79	60	63	62	76	79	78	16
15	70	65	67	73	82	79	74	77	76	51	53	52	71	74	73	15
14	65	59	61	70	79	76	71	73	72	41	43	42	65	68	67	14
13	59	53	55	65	75	71	68	70	69	33	35	35	59	62	61	13
12	53	45	49	58	69	65	64	67	66	26	28	28	51	54	53	12
11	46	38	41	52	63	59	59	60	60	20	22	21	42	45	44	11
10	39	31	34	46	57	53	52	53	53	15	16	16	33	35	34	10
9	31	23	26	40	49	46	44	45	45	12	12	12	24	24	24	9
8	23	17	19	33	42	39	34	36	36	9	8	9	16	15	15	8
7	15	11	13	25	32	30	26	27	27	6	6	6	9	8	9	7
6	10	7	8	18	23	21	18	19	18	3	4	4	4	4	4	6
5	6	4	5	13	18	16	11	12	11	2	3	2	2	1	2	5
4	3	2	2	9	13	11	6	6	6	1	1	1	1	1	1	4
3	1	1	1	5	7	6	3	3	3	1	1	1	1	1	1	3
2	1	1	1	2	3	3	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	12.2	13.2	12.9	11.7	10.1	10.7	11.6	11.1	11.3	15.6	14.8	15.1	12.9	12.4	12.6	
Std. Dev.	5.2	5.2	5.2	6.4	5.6	5.9	3.7	5.9	6.1	5.8	5.1	5.4	5.1	4.6	4.8	

Sample Size Men (M): 1,134 Women (W): 1,957 Total (T): 3,091

High School Grade Percentages

High School Grade	English M	English W	English T	Mathematics M	Mathematics W	Mathematics T	Social Studies M	Social Studies W	Social Studies T	Natural Sciences M	Natural Sciences W	Natural Sciences T	Averages[a] M	Averages[a] W	Averages[a] T	High School Grade
A (4)	14	22	19	10	13	12	21	27	25	12	16	14	12	17	15	A (4)
B (3)	38	43	41	31	31	31	37	36	36	31	33	32	49	53	52	B (3)
C (2)	38	29	32	37	35	36	31	26	28	34	27	30	37	29	32	C (2)
D (1)	8	4	6	11	10	10	5	4	4	7	5	6	2	1	2	D (1)
F (0)	1	0	1	1	1	1	0	0	0	1	0	0	0	0	0	F (0)
Not Taken	1	1	1	9	10	10	6	7	6	14	19	17				Not Taken
Mean	2.56	2.83	2.73	2.42	2.49	2.46	2.78	2.92	2.87	2.54	2.72	2.65	2.57	2.74	2.67	
Std. Dev.	0.85	0.84	0.85	0.90	0.93	0.92	0.86	0.87	0.87	0.86	0.87	0.87	0.63	0.64	0.64	

Sample Size Men (M): 967 Women (W): 1,632 Total (T): 2,599

[a]Rounded to the nearest whole letter grade

TABLE 2.77

ACT Score and High School Grade Norms for American Indian/Native American/Aleutian (Eskimo) Students

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	98	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32
31	99	99	99	98	99	99	99	99	99	98	99	99	99	99	99	31
30	99	99	99	98	99	99	98	99	99	93	99	96	99	99	99	30
29	99	99	99	97	99	99	97	98	99	88	98	93	99	99	99	29
28	99	99	99	95	99	98	97	99	98	85	96	91	98	99	99	28
27	99	99	99	91	99	95	95	99	98	81	94	88	97	98	98	27
26	99	99	99	87	98	93	92	99	96	75	91	85	94	99	97	26
25	98	98	98	84	96	91	89	96	93	72	86	81	9	98	95	25
24	95	97	96	81	95	89	84	91	88	67	85	77	87	96	92	24
23	92	94	93	77	91	85	80	88	84	63	82	73	84	93	89	23
22	87	88	88	73	88	81	76	85	80	57	79	69	78	88	84	22
21	81	82	81	69	85	78	72	82	77	52	76	65	72	83	78	21
20	76	78	77	64	83	74	67	79	74	49	72	62	66	79	73	20
19	72	73	73	60	79	71	62	75	69	44	67	57	59	76	68	19
18	66	68	67	56	76	67	59	72	66	40	61	52	53	73	64	18
17	58	61	60	53	73	64	57	70	64	35	56	46	47	70	59	17
16	52	54	53	51	70	61	54	67	61	30	48	40	41	64	54	16
15	46	47	47	49	66	58	51	65	59	26	38	33	37	57	48	15
14	40	42	41	43	62	53	47	62	56	21	31	27	34	50	43	14
13	35	36	36	37	57	48	44	57	51	17	26	22	31	42	37	13
12	31	31	31	32	51	43	41	52	47	15	20	18	26	35	31	12
11	26	24	25	28	47	39	35	46	41	12	15	14	22	29	26	11
10	20	17	19	23	43	34	27	41	35	10	11	11	17	24	21	10
9	16	13	15	19	36	29	22	35	29	8	9	9	12	17	15	9
8	14	9	11	17	30	24	18	28	24	6	8	7	7	10	9	8
7	10	5	7	12	23	18	14	22	19	4	6	5	4	6	5	7
6	3	3	3	7	16	12	10	15	13	3	4	4	2	3	3	6
5	1	1	1	4	12	9	7	9	8	3	2	2	1	2	1	5
4	1	1	1	3	8	6	3	5	4	2	1	1	1	1	1	4
3	1	1	1	2	5	4	1	2	2	1	1	1	1	1	1	3
2	1	1	1	1	3	2	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	15.4	15.3	15.3	16.4	12.6	14.3	15.5	13.1	14.2	19.9	16.9	18.2	16.9	14.6	15.6	
Std. Dev.	5.7	5.2	5.4	7.5	6.6	7.3	7.4	6.8	7.2	7.1	6.0	6.7	6.0	5.4	5.8	

Sample Size Men (M) 172 Women (W) 210 Total (T) 382

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	23	29	26	21	15	18	33	34	33	17	21	19	21	22	22	A (4)
B (3)	33	44	39	31	37	34	34	33	33	30	36	33	46	53	50	B (3)
C (2)	35	24	29	30	30	30	26	25	26	33	24	28	31	23	27	C (2)
D (1)	6	2	4	12	9	10	3	5	4	7	7	7	3	2	2	D (1)
F (0)	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	2	1	2	6	7	6	4	2	3	13	13	13				Not Taken
Mean	2.7	3.01	2.89	2.63	2.60	2.61	3.00	2.96	2.98	2.67	2.81	2.75	2.75	2.84	2.80	
Std. Dev.	0.91	0.79	0.85	0.99	0.93	0.96	0.86	0.93	0.90	0.88	0.86	0.88	0.69	0.65	0.67	

Sample Size Men (M) 154 Women (W) 188 Total (T) 342

[a]Rounded to the nearest whole letter grade

TABLE 2.78

ACT Score and High School Grade Norms for Caucasian American/White Students

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	98	99	99	99	99	99	97	99	99	99	99	99	**33**
32	99	99	99	96	99	98	98	99	99	94	98	96	99	99	99	**32**
31	99	99	99	95	98	97	97	99	98	89	96	93	99	99	99	**31**
30	99	99	99	93	97	96	95	98	97	84	93	89	97	99	98	**30**
29	98	98	98	90	96	93	93	96	95	77	89	84	95	98	97	**29**
28	98	96	97	85	93	89	90	95	93	72	85	79	92	96	94	**28**
27	97	95	96	79	89	84	86	92	90	67	81	74	88	93	91	**27**
26	95	92	93	73	84	79	81	88	85	61	76	69	83	89	86	**26**
25	93	89	91	68	81	75	75	83	79	55	70	63	77	84	81	**25**
24	89	84	87	61	78	71	69	77	73	49	65	58	70	79	75	**24**
23	84	77	80	59	74	67	62	71	67	44	59	52	63	73	69	**23**
22	77	67	72	55	70	63	57	66	62	39	54	47	56	67	62	**22**
21	67	57	62	50	66	59	52	61	57	34	48	41	50	60	55	**21**
20	59	48	53	45	61	54	48	56	52	29	42	36	43	53	49	**20**
19	50	39	44	40	56	49	43	51	47	25	36	31	37	47	42	**19**
18	42	32	37	35	51	44	39	47	44	21	30	26	32	40	36	**18**
17	36	26	31	31	46	39	36	43	40	16	25	21	26	34	31	**17**
16	30	21	25	27	41	35	32	40	36	13	20	17	22	28	25	**16**
15	25	17	20	24	37	31	29	36	33	9	14	12	17	23	20	**15**
14	20	13	16	21	33	28	25	32	29	6	9	8	13	18	16	**14**
13	15	10	13	18	28	24	22	28	25	5	7	6	10	13	12	**13**
12	12	7	9	14	23	19	19	24	22	3	5	4	7	9	8	**12**
11	8	5	6	12	19	16	15	19	18	2	3	3	5	5	5	**11**
10	6	3	4	9	16	13	11	15	13	2	2	2	3	3	3	**10**
9	4	2	3	7	13	10	8	11	10	1	1	1	2	2	2	**9**
8	2	1	2	5	10	8	5	7	7	1	1	1	1	1	1	**8**
7	1	1	1	4	7	6	3	5	4	1	1	1	1	1	1	**7**
6	1	1	1	2	5	4	2	3	2	1	1	1	1	1	1	**6**
5	1	1	1	2	3	2	1	1	1	1	1	1	1	1	1	**5**
4	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	**4**
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	18.4	19.7	19.1	20.5	17.7	19.0	13.5	18.1	18.7	23.6	21.4	22.4	20.6	19.4	19.9	
Std. Dev.	4.9	4.7	4.9	7.2	7.1	7.3	6.9	6.8	6.9	6.1	5.7	6.0	5.4	5.2	5.4	

Sample Size Men (M): 15,679. Women (W): 18,493. Total (T): 34,172.

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	28	45	37	25	27	26	39	45	42	28	31	29	30	38	35	**A (4)**
B (3)	45	41	43	34	35	35	39	37	38	38	37	38	50	49	50	**B (3)**
C (2)	23	12	17	28	26	27	16	13	15	22	19	20	18	12	15	**C (2)**
D (1)	3	1	2	7	6	6	2	2	2	4	2	3	1	0	1	**D (1)**
F (0)	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	**F (0)**
Not Taken	1	1	1	4	6	5	3	3	3	9	10	10				**Not Taken**
Mean	2.98	3.30	3.15	2.78	2.87	2.83	3.19	3.29	3.24	2.98	3.07	3.03	2.97	3.13	3.06	
Std. Dev.	0.82	0.74	0.79	0.96	0.92	0.94	0.80	0.77	0.79	0.85	0.82	0.84	0.66	0.62	0.64	

Sample Size Men (M): 14,610. Women (W): 16,881. Total (T): 31,491.

[a]Rounded to the nearest whole letter grade.

TABLE 2.79

ACT Score and High School Grade Norms for Mexican American or Chicano Students

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	32
31	99	99	99	99	99	99	99	99	99	98	99	99	99	99	99	31
30	99	99	99	99	99	99	99	99	99	97	99	98	99	99	99	30
29	99	99	99	98	99	99	99	99	99	94	98	96	99	99	99	29
28	99	99	99	96	99	98	98	99	99	92	98	95	99	99	99	28
27	99	99	99	94	99	97	97	99	98	91	97	94	98	99	99	27
26	99	99	99	92	98	95	95	99	97	88	95	92	97	98	98	26
25	99	98	98	90	96	94	93	97	95	86	94	90	95	97	97	25
24	98	97	97	87	96	92	91	95	93	83	91	88	94	96	95	24
23	97	95	96	85	95	91	87	93	91	81	89	85	91	95	93	23
22	95	93	94	84	93	89	85	91	89	77	86	82	88	94	91	22
21	93	89	91	82	92	88	83	89	87	73	83	78	85	92	89	21
20	90	83	86	80	90	85	80	87	84	68	78	74	81	88	85	20
19	85	76	80	76	87	82	78	84	81	63	74	70	76	84	81	19
18	80	70	74	71	83	78	75	81	79	57	68	63	71	80	76	18
17	74	65	69	66	79	73	72	78	75	51	61	56	68	75	72	17
16	67	60	63	61	75	69	68	74	71	46	53	50	62	70	67	16
15	61	55	57	57	72	66	65	70	68	38	44	42	56	64	61	15
14	55	49	51	54	69	62	60	66	64	30	35	33	51	58	55	14
13	49	40	44	50	63	58	56	63	60	24	28	27	45	51	48	13
12	42	32	36	45	57	52	51	58	55	18	22	20	37	43	41	12
11	37	26	31	41	54	48	45	54	50	14	16	15	30	34	32	11
10	31	20	25	36	48	43	38	47	43	11	13	12	24	25	24	10
9	24	16	19	31	41	37	31	39	36	8	9	9	17	17	17	9
8	17	12	14	26	34	31	25	31	28	6	6	6	10	11	10	8
7	10	8	9	20	25	23	20	23	22	4	4	4	6	5	6	7
6	6	5	5	13	15	14	13	17	15	3	2	3	4	3	3	6
5	3	2	2	9	10	10	8	12	10	2	2	2	2	1	1	5
4	2	1	1	7	8	8	5	7	6	1	1	1	1	1	1	4
3	1	1	1	4	5	4	2	3	3	1	1	1	1	1	1	3
2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	13.4	14.5	14.1	13.9	11.7	12.6	13.3	11.9	12.5	17.4	16.0	16.6	14.6	13.7	14.1	
Std. Dev.	5.1	5.2	5.2	7.3	6.1	6.7	6.8	6.2	6.5	6.3	5.4	5.9	5.6	4.9	5.2	

Sample Size Men (M) 393, Women (W) 538, Total (T) 931

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	19	28	24	19	16	17	29	30	29	14	16	15	18	21	19	A (4)
B (3)	44	47	45	31	36	34	37	39	38	35	38	37	53	55	54	B (3)
C (2)	31	21	25	31	32	32	22	20	21	30	29	29	27	24	25	C (2)
D (1)	4	2	3	8	9	9	3	4	3	4	4	4	2	1	1	D (1)
F (0)	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	4	2	3	9	7	8	8	7	8	16	13	14				Not Taken
Mean	2.80	3.03	2.93	2.63	2.62	2.62	3.02	3.01	3.02	2.70	2.75	2.73	2.78	2.85	2.82	
Std. Dev.	0.79	0.77	0.79	0.96	0.89	0.92	0.82	0.84	0.83	0.82	0.82	0.82	0.64	0.61	0.63	

Sample Size Men (M) 340, Women (W) 463, Total (T) 803

[a]Rounded to the nearest whole letter grade

TABLE 2.80

ACT Score and High School Grade Norms for Oriental American Students

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	98	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	96	99	98	99	99	99	99	99	99	99	99	99	34
33	99	99	99	94	99	96	99	99	99	98	99	98	99	99	99	33
32	99	99	99	91	98	94	99	99	99	94	99	96	99	99	99	32
31	99	99	99	88	97	92	97	99	98	89	97	92	99	99	99	31
30	99	99	99	85	96	90	94	98	96	81	95	88	97	99	98	30
29	99	98	98	80	94	86	90	96	93	75	92	83	95	98	96	29
28	99	97	98	73	89	80	87	93	90	71	87	78	91	96	93	28
27	98	96	97	66	83	74	84	90	86	68	83	75	85	94	89	27
26	97	96	96	58	79	67	81	87	83	62	81	70	79	91	84	26
25	93	95	94	52	73	61	76	83	79	56	77	65	74	85	79	25
24	89	91	90	48	68	57	69	77	72	52	70	60	69	79	73	24
23	86	89	86	43	66	53	63	73	67	48	64	55	62	72	66	23
22	81	77	79	41	62	50	58	70	63	42	58	49	54	66	59	22
21	76	67	72	38	58	47	54	69	61	39	52	44	48	61	53	21
20	72	61	67	35	52	43	51	64	57	35	46	40	44	56	50	20
19	66	54	61	32	47	39	48	58	52	30	41	35	41	53	46	19
18	58	46	52	29	42	35	45	57	51	25	36	30	37	48	42	18
17	50	41	46	26	37	31	43	55	48	20	32	25	33	42	37	17
16	43	35	39	23	33	27	40	51	45	16	27	21	26	36	30	16
15	38	29	34	20	29	24	38	47	42	13	21	16	21	29	25	15
14	35	25	31	18	26	21	35	42	38	10	16	13	19	25	21	14
13	31	21	27	16	22	19	33	38	35	8	12	10	15	19	17	13
12	28	18	23	14	17	15	29	34	31	7	9	8	13	13	13	12
11	24	14	20	12	15	13	25	29	27	7	5	6	11	10	11	11
10	19	9	14	10	13	12	21	25	22	6	2	4	9	7	8	10
9	12	6	9	9	11	10	15	20	17	4	1	3	6	3	5	9
8	7	4	6	8	9	8	11	16	13	3	1	2	3	1	2	8
7	5	3	4	5	6	6	8	13	10	2	1	2	1	1	1	7
6	3	1	2	3	5	4	4	7	5	1	1	1	1	1	1	6
5	1	1	1	2	4	3	2	3	3	1	1	1	1	1	1	5
4	1	1	1	2	3	2	1	2	1	1	1	1	1	1	1	4
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	16.4	17.8	17.0	22.4	19.1	20.9	18.5	16.6	17.6	22.9	20.5	21.8	20.2	18.7	19.5	
Std. Dev.	5.8	5.4	5.7	8.0	7.4	7.9	7.9	7.6	7.8	6.9	6.0	6.6	6.3	5.6	6.0	

Sample Size Men (M): 140; Women (W): 112; Total (T): 252

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	28	43	35	38	28	34	46	44	45	36	35	35	40	42	41	A (4)
B (3)	46	39	43	34	43	38	32	36	34	31	29	30	40	45	42	B (3)
C (2)	19	14	17	18	21	20	15	14	15	24	26	25	18	13	16	C (2)
D (1)	6	4	5	4	5	5	1	2	2	1	3	2	1	1	1	D (1)
F (0)	1	0	0	1	1	1	1	0	0	0	0	0	0	0	0	F (0)
Not Taken	1	0	0	4	2	3	4	4	4	8	7	8				Not Taken
Mean	2.95	3.22	3.07	3.07	2.94	3.01	3.27	3.27	3.27	3.10	3.03	3.07	3.08	3.10	3.09	
Std. Dev.	0.88	0.82	0.86	0.95	0.89	0.92	0.84	0.78	0.81	0.82	0.88	0.85	0.69	0.66	0.68	

Sample Size Men (M): 131; Women (W): 101; Total (T): 232

[a]Rounded to the nearest whole letter grade

TABLE 2.81

ACT Score and High School Grade Norms for Puerto Rican or Spanish-speaking American Students

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	98	99	99	99	99	99	32
31	99	99	99	99	99	99	99	99	99	97	99	98	99	99	99	31
30	99	99	99	99	99	99	99	99	99	95	99	97	99	99	99	30
29	99	99	99	98	99	99	96	99	98	93	98	95	99	99	99	29
28	99	99	99	96	99	98	95	99	97	90	96	93	99	99	99	28
27	99	99	99	92	99	96	93	99	96	88	94	91	98	99	99	27
26	99	99	99	83	97	93	91	97	94	85	93	89	94	98	96	26
25	98	99	98	85	95	91	88	95	92	82	93	88	89	96	93	25
24	96	96	96	82	94	89	83	92	88	76	92	85	87	95	91	24
23	93	92	93	76	93	86	78	89	84	69	90	80	84	93	89	23
22	85	89	87	73	91	83	73	85	80	62	87	76	78	90	85	22
21	80	86	83	71	87	80	69	84	77	58	84	72	70	88	80	21
20	78	82	80	67	84	76	64	83	74	53	79	67	65	86	76	20
19	72	77	74	64	83	74	57	82	71	47	73	62	60	83	73	19
18	65	72	69	60	82	72	54	80	68	42	67	56	56	80	69	18
17	60	66	63	55	80	69	53	78	67	36	59	49	52	76	66	17
16	56	60	58	49	77	65	50	75	64	31	52	43	49	69	60	16
15	51	54	52	45	72	60	48	71	61	25	45	36	46	61	54	15
14	44	50	47	42	68	56	45	66	57	20	38	30	42	55	49	14
13	38	47	43	39	62	52	42	61	52	16	31	24	32	50	42	13
12	32	44	39	36	56	47	38	56	46	14	24	19	23	43	34	12
11	26	41	34	33	50	42	36	51	44	11	18	15	18	37	28	11
10	19	35	28	27	44	36	31	45	39	8	16	12	12	30	22	10
9	13	27	21	21	37	30	22	39	31	5	11	8	8	20	15	9
8	6	19	13	16	30	24	14	30	22	2	6	4	3	15	9	8
7	4	12	8	12	24	19	6	22	15	2	4	3	1	11	7	7
6	3	8	6	9	20	15	3	18	11	1	2	2	1	6	4	6
5	1	4	3	7	17	12	1	13	8	1	1	1	1	2	1	5
4	1	1	1	5	11	8	1	8	5	1	1	1	1	1	1	4
3	1	1	1	4	6	5	1	4	2	1	1	1	1	1	1	3
2	1	1	1	2	3	2	1	2	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	15.3	13.9	14.5	16.0	11.9	13.7	16.2	12.3	14.0	19.5	16.0	17.5	16.8	13.7	15.1	
Std. Dev.	5.3	5.8	5.6	7.5	6.5	7.3	7.2	6.7	7.2	6.3	5.6	6.2	5.7	5.4	5.8	

Sample Size Men (M): 85. Women (W): 105. Total (T): 190

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	22	29	25	23	17	20	33	32	32	19	25	22	20	21	20	A (4)
B (3)	40	41	40	23	37	30	41	40	40	41	22	31	49	57	53	B (3)
C (2)	30	25	28	36	25	30	14	20	17	25	34	30	30	21	25	C (2)
D (1)	6	3	5	13	10	11	8	7	7	8	9	8	0	1	1	D (1)
F (0)	1	1	1	4	1	2	0	0	0	0	0	0	1	0	1	F (0)
Not Taken	1	1	1	3	10	6	4	2	3	8	9	8				Not Taken
Mean	2.76	2.93	2.85	2.49	2.66	2.58	3.01	2.99	3.00	2.77	2.70	2.73	2.73	2.83	2.78	
Std. Dev.	0.90	0.88	0.90	1.09	0.95	1.03	0.92	0.89	0.90	0.86	0.99	0.93	0.75	0.65	0.70	

Sample Size Men (M): 80. Women (W): 86. Total (T): 166

[a]Rounded to the nearest whole letter grade.

TABLE 2.82

ACT Score and High School Grade Norms for Students of Other Racial-Ethnic Backgrounds

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	33
32	99	99	99	99	99	99	99	99	99	98	99	99	99	99	99	32
31	99	99	99	98	99	99	99	99	99	95	99	97	99	99	99	31
30	99	99	99	96	99	98	99	99	99	93	97	95	99	99	99	30
29	99	99	99	94	99	97	97	99	98	89	94	92	98	99	99	29
28	99	99	99	91	98	95	96	98	97	85	92	88	97	99	98	28
27	98	98	98	86	97	92	93	97	95	82	90	86	95	98	96	27
26	98	97	97	81	94	88	90	95	93	77	87	82	92	97	95	26
25	97	96	96	76	92	84	86	92	90	71	84	78	88	95	92	25
24	95	94	95	73	89	81	82	89	86	65	81	73	83	93	88	24
23	93	90	91	69	86	78	77	86	82	60	77	69	76	89	84	23
22	88	85	86	66	83	75	74	83	79	55	73	64	73	83	78	22
21	82	78	80	62	79	71	70	78	74	50	67	59	68	78	73	21
20	76	70	73	56	72	67	66	74	70	46	61	54	62	74	68	20
19	69	64	67	49	73	61	61	70	66	42	56	49	56	69	62	19
18	63	58	61	44	68	56	59	67	63	38	50	44	49	63	57	18
17	57	51	54	40	63	52	56	64	59	32	45	39	44	58	51	17
16	50	44	47	36	58	47	52	59	56	28	37	33	39	52	46	16
15	43	39	41	33	54	44	49	55	52	23	30	26	35	46	41	15
14	39	34	36	31	50	41	44	52	48	17	23	20	31	38	35	14
13	33	29	31	27	44	36	40	48	44	13	18	16	24	32	28	13
12	26	23	25	23	38	31	36	44	40	11	14	12	18	25	22	12
11	20	18	19	19	33	26	30	38	34	9	10	9	13	19	16	11
10	15	13	14	16	29	23	24	31	28	7	7	7	10	12	11	10
9	11	9	10	14	24	19	19	25	22	5	5	5	6	6	6	9
8	7	5	6	11	20	16	13	17	15	4	3	4	4	3	3	8
7	4	2	3	9	16	12	9	11	10	3	2	3	2	2	2	7
6	2	1	1	6	11	9	7	6	7	2	2	2	1	1	1	6
5	1	1	1	4	7	6	4	4	4	1	1	1	1	1	1	5
4	1	1	1	3	5	4	3	3	3	1	1	1	1	1	1	4
3	1	1	1	1	3	2	1	1	1	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	15.9	16.5	16.2	18.4	14.6	16.4	16.2	14.6	15.4	20.5	18.4	19.4	17.8	16.2	17.0	
Std. Dev.	5.3	5.2	5.3	7.5	6.9	7.4	7.2	6.7	7.0	6.8	6.0	6.5	5.8	5.2	5.6	

Sample Size Men (M): 444. Women (W): 485. Total (T): 929.

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Averages[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	20	32	26	20	20	20	32	34	33	20	22	21	19	28	24	A (4)
B (3)	44	44	44	32	35	34	39	41	40	34	36	35	54	53	54	B (3)
C (2)	30	20	24	33	28	31	21	17	19	33	23	28	26	18	22	C (2)
D (1)	4	3	3	8	6	7	3	3	3	3	3	3	1	1	1	D (1)
F (0)	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	2	2	2	7	10	9	5	5	5	10	15	13				Not Taken
Mean	2.82	3.07	2.95	2.65	2.77	2.71	3.04	3.10	3.07	2.78	2.90	2.84	2.82	2.96	2.89	
Std. Dev.	0.81	0.80	0.81	0.95	0.87	0.91	0.84	0.83	0.83	0.82	0.84	0.83	0.64	0.61	0.63	

Sample Size Men (M): 395. Women (W): 409. Total (T): 804.

[a]Rounded to the nearest whole letter grade.

193

TABLE 2.83

ACT Score and High School Grade Norms for Students Who Considered Their Racial-Ethnic Background Confidential

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**36**
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**35**
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	**34**
33	99	99	99	97	99	98	98	99	99	97	99	98	99	99	99	**33**
32	99	99	99	95	98	96	97	98	98	93	97	95	99	99	99	**32**
31	99	99	99	93	97	95	95	97	96	87	95	91	98	99	98	**31**
30	98	98	98	91	97	94	93	96	95	81	92	87	96	98	97	**30**
29	98	97	97	89	95	92	90	96	93	74	88	81	93	96	95	**29**
28	97	95	96	84	92	88	85	94	90	68	85	77	90	94	92	**28**
27	96	93	95	77	88	83	81	92	86	63	80	72	86	92	89	**27**
26	95	91	93	71	83	77	75	88	82	57	76	67	80	88	85	**26**
25	92	87	90	66	80	73	70	81	76	53	71	62	73	84	79	**25**
24	88	83	86	62	78	70	64	76	70	47	66	57	66	79	73	**24**
23	83	78	80	57	74	66	58	72	65	42	61	52	60	73	67	**23**
22	75	69	72	54	70	62	53	66	60	37	56	47	53	67	60	**22**
21	66	60	63	50	66	58	48	61	55	33	51	42	46	60	53	**21**
20	58	53	55	45	62	54	45	57	52	29	46	38	40	54	47	**20**
19	49	46	48	40	57	49	42	53	48	25	41	34	35	50	43	**19**
18	43	40	41	36	51	44	38	50	44	22	36	30	32	44	38	**18**
17	38	34	36	32	47	40	35	46	41	19	31	25	28	38	33	**17**
16	33	30	32	29	43	36	32	43	38	15	25	21	24	34	29	**16**
15	28	26	27	25	39	33	30	41	35	12	20	16	20	30	25	**15**
14	23	22	23	22	36	29	27	36	32	9	15	12	17	26	22	**14**
13	20	18	19	19	32	26	24	33	29	7	12	9	14	21	18	**13**
12	16	14	15	15	28	22	21	28	25	5	9	7	11	16	14	**12**
11	13	10	12	12	25	19	18	23	21	4	6	5	8	12	10	**11**
10	9	7	8	11	21	16	14	19	17	2	5	4	6	8	7	**10**
9	6	5	6	8	17	13	11	15	13	2	3	2	4	5	4	**9**
8	4	4	4	6	14	10	9	11	10	1	2	1	2	3	2	**8**
7	3	2	2	4	11	8	6	8	7	1	1	1	1	1	1	**7**
6	2	1	1	3	7	5	4	5	5	1	1	1	1	1	1	**6**
5	1	1	1	2	5	4	3	3	3	1	1	1	1	1	1	**5**
4	1	1	1	1	4	2	1	2	2	1	1	1	1	1	1	**4**
3	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	**3**
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**2**
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
Mean	18.2	18.8	18.5	20.6	17.3	19.9	19.8	17.6	18.6	23.7	20.8	22.2	20.7	16.8	19.7	
Std. Dev.	5.5	5.7	5.6	7.5	7.7	7.8	7.7	7.4	7.6	6.5	6.4	6.6	6.1	6.0	6.1	

Sample Size Men (M) 862; Women (W) 951; Total (T) 1,813

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[a]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	30	42	36	26	25	26	40	42	41	28	30	29	31	36	33	**A (4)**
B (3)	42	42	42	33	36	35	38	37	37	37	38	37	50	50	50	**B (3)**
C (2)	23	14	18	29	26	28	16	15	15	22	17	20	18	14	16	**C (2)**
D (1)	4	2	3	6	6	6	3	2	2	4	3	4	1	1	1	**D (1)**
F (0)	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	**F (0)**
Not Taken	1	1	1	5	6	5	4	4	4	8	11	10				**Not Taken**
Mean	2.99	3.24	3.12	2.83	2.83	2.83	3.19	3.23	3.21	2.96	3.05	3.01	2.98	3.08	3.03	
Std. Dev.	0.85	0.77	0.82	0.92	0.93	0.93	0.82	0.80	0.81	0.88	0.85	0.86	0.67	0.63	0.65	

Sample Size Men (M) 806; Women (W) 863; Total (T) 1,669

[a]Rounded to the nearest whole letter grade

TABLE 2.84

ACT Score and High School Grade Norms for Students Who Indicated They Are Handicapped

ACT Score Percentile Ranks

Standard Score	English			Mathematics			Social Studies			Natural Sciences			Composite			Standard Score
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
36	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	36
35	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	35
34	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	34
33	99	99	99	98	99	99	99	99	99	98	99	99	99	99	99	33
32	99	99	99	98	99	98	98	99	99	96	99	98	99	99	99	32
31	99	99	99	97	99	98	98	99	98	93	98	95	99	99	99	31
30	99	99	99	96	99	97	96	99	97	89	96	92	98	99	99	30
29	99	98	99	94	98	96	95	97	96	85	93	89	97	99	98	29
28	99	98	98	91	96	94	93	96	94	82	91	86	95	97	96	28
27	98	96	97	88	94	91	90	94	92	79	87	83	92	95	94	27
26	97	95	96	84	92	88	87	92	89	75	84	79	89	93	91	26
25	95	93	94	81	89	85	83	89	85	70	80	75	85	90	88	25
24	93	91	92	79	87	83	78	85	81	66	77	71	82	87	84	24
23	90	86	88	76	85	80	74	80	77	63	73	67	77	84	80	23
22	85	80	83	73	83	78	70	76	73	59	69	63	73	80	76	22
21	80	72	76	70	80	75	66	72	69	55	64	59	68	75	71	21
20	74	65	70	67	76	71	61	69	65	50	60	54	63	70	67	20
19	67	58	63	63	73	68	58	66	62	45	55	50	58	66	62	19
18	61	52	57	59	69	64	55	63	59	40	49	44	54	61	58	18
17	56	47	52	55	65	60	52	60	56	35	43	39	49	56	52	17
16	51	42	47	51	61	56	49	57	53	31	38	35	44	51	47	16
15	46	38	42	47	57	52	46	54	50	26	32	29	40	45	42	15
14	41	33	37	42	53	48	43	50	46	20	26	23	35	40	37	14
13	36	28	32	38	49	43	40	46	42	16	21	18	30	33	31	13
12	30	24	28	33	43	38	36	42	39	13	16	15	25	27	26	12
11	25	20	23	29	38	33	32	38	35	10	12	11	20	22	21	11
10	21	16	19	24	33	28	27	33	30	8	9	8	15	17	16	10
9	16	12	14	20	29	24	23	27	25	6	7	6	11	12	11	9
8	12	8	10	16	24	20	18	20	19	4	5	5	7	7	7	8
7	8	5	7	13	19	15	13	14	13	3	3	3	4	4	4	7
6	5	3	4	9	13	11	9	10	9	2	2	2	2	2	2	6
5	3	2	2	6	9	7	6	6	6	1	1	1	1	1	1	5
4	2	1	1	4	6	5	3	3	3	1	1	1	1	1	1	4
3	1	1	1	2	3	3	2	2	2	1	1	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean	15.6	16.9	16.2	16.5	14.3	15.5	16.5	15.1	15.9	20.3	18.6	19.5	17.3	16.3	16.9	
Std. Dev.	6.0	6.0	6.0	7.9	7.3	7.7	7.9	7.4	7.7	7.2	6.5	6.9	6.5	6.0	6.3	

Sample Size[a] Men (M): 2,192. Women (W): 1,884. Total (T): 4,076.

High School Grade Percentages

High School Grade	English			Mathematics			Social Studies			Natural Sciences			Average[b]			High School Grade
	M	W	T	M	W	T	M	W	T	M	W	T	M	W	T	
A (4)	21	34	27	18	20	19	30	37	33	18	24	21	22	28	25	A (4)
B (3)	40	40	40	32	32	32	34	33	34	33	33	33	47	48	48	B (3)
C (2)	31	22	27	33	30	30	25	22	24	29	26	28	29	23	26	C (2)
D (1)	5	2	4	11	9	10	4	4	4	6	5	5	2	1	2	D (1)
F (0)	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	F (0)
Not Taken	2	1	2	7	8	8	6	4	5	13	12	13				Not Taken
Mean	2.78	3.07	2.91	2.60	2.66	2.63	2.94	3.06	3.00	2.72	2.86	2.79	2.76	2.91	2.83	
Std. Dev.	0.86	0.82	0.85	0.98	0.95	0.96	0.90	0.89	0.90	0.89	0.89	0.89	0.70	0.68	0.70	

Sample Size[a] Men (M): 1,890. Women (W): 1,642. Total (T): 3,532.

[a]This table is based on a 100% sample.

[b]Rounded to the nearest whole letter grade.

Chapter 3

Student Profile Section (SPS) Norms

The chapter provides percentage distributions for responses to selected SPS items for subgroups of students defined by college affiliation and type.

Educational Major and Vocational Choice

Planned educational major and first vocational choice are strongly related; for both sexes, they differ by 2% or less in most occupations.

The distribution of educational major varies according to sex. For men students, the most frequent choices are: Business and Commerce (19%), Engineering (16%), and Health Professions (9%). For women students, the most frequent choices are Health Professions (21%), Business and Commerce (19%), and Education (13%).

Educational Degree Aspirations

The degree level sought most often by students in both public and private colleges of all types is the bachelor's degree (44% overall). The differences between the degree aspirations of students in public and private 2-year colleges are small. Students in private 4-year, master's, and PhD level colleges plan to obtain higher degrees than do students in the corresponding types of public colleges.

Men tend to seek higher degrees than women: 10% of all men seek a 2-year degree or less, as compared to 16% of all women; 43% of all men plan for a master's degree or higher, compared to 35% of all women.

Importance of Factors Affecting College Choice

By far, most students (54%) rate field of study as the most important factor affecting their choice of a college. Field of study is rated "most important" most frequently by students in all eight types of colleges.

Location (State or Region) is rated "most important" by 16% of the overall group and "second in importance" by 25%. This factor is more important to public than private school students, and to 2-year college students than others.

Another important factor is tuition and costs. It is rated "most important" by 14% of the overall group and "second in importance" by 30%. This factor also tends to concern public school students more than private school students.

A factor somewhat less important than the above three is type of institution. About 11% rate it "most important" and 20% "second in importance." The other factors—student body composition, size of enrollment, and other activities—are consistently rated low in importance.

Financial Aid Considerations

Overall, 63% of students reported that they expected to apply for financial aid. A smaller proportion of students in public 2-year colleges (57%) expect to apply for financial aid than students enrolled in other types of colleges (62%-70%). Slightly more women (65%) than men (62%) expect to apply.

Between 52-58% of students in all eight types of colleges expect to work while in college and would like help in finding employment. Overall, about 29% do not expect to work during the first year of college. Twenty percent expect to work from 1-10 hours per week; 31%, 11-20 hours; 13%, 21 hours or more. A total of 8% of the students did not respond to the item. In general, men students expect to work more hours than women, and students in public 2-year colleges expect to work more hours than students in the other types of colleges.

Students in private colleges have somewhat larger family incomes than students in public colleges. Students in colleges granting the master's or PhD degree tend to have larger family incomes than students in 2-year and 4-year colleges. About 27% overall either refused to disclose their family incomes or omitted the item.

Across the eight types of colleges, about 16-19% of the students have no brothers or sisters under 21 years of age, 21-29% have one such brother or sister, 18-25% have two, 12-17% have three, and 10-21% have more than three. Students in private 2-year colleges tend to have the most siblings.

Needs for Special Programs and Services

The most frequently cited needs for special assistance are in making educational and vocational decisions (44%), improving mathematical skills (40%), and improving study skills (37%). About 27% of all students requested special assistance in writing.

Between 26-38% of all students would like to receive credit by examination in one of the four subject areas: English, mathematics, social studies, and natural sciences.

About 4% of all women and 12% of all men were interested in participating in ROTC, NROTC, or AFROTC.

Racial-Ethnic Background

Overall, about 75% of the ACT-enrolled Class Profile student population identified themselves as Caucasian American/White, 7% as Afro-American/Black, 2% as Mexican American or Chicano, 1% as American Indian/Native American/Aleutian (Eskimo), 1% as Oriental American, and less than 1% as Puerto Rican or Spanish-speaking American. About 2% identified themselves as being of other racial-ethnic backgrounds; 4% refused to disclose their racial-ethnic background; and 8% omitted the item.

In general, the proportion of Caucasian American/Whites increases with the degree level offered by the college (68-76% for 2-year colleges versus 78-84% for PhD level colleges). There also tends to be a somewhat larger proportion of Caucasian American/Whites in private than in public schools.

TABLE 3.1

Distribution of Planned Educational Major and First Vocational Choice
(In Percentages)

Educational or Vocational Field	Public 2-Year MEN Ed. Maj.	MEN 1st Voc.	WOMEN Ed. Maj.	WOMEN 1st Voc.	TOTAL Ed. Maj.	TOTAL 1st Voc.	Public 4-Year MEN Ed. Maj.	MEN 1st Voc.	WOMEN Ed. Maj.	WOMEN 1st Voc.	TOTAL Ed. Maj.	TOTAL 1st Voc.
Agric., Forestry, etc.	10	10	2	2	6	5	6	7	2	3	4	4
Architecture	4	3	2	2	2	2	3	2	2	2	2	2
Biological Sciences	2	1	2	1	2	1	3	1	2	1	2	1
Business & Commerce	20	19	25	25	23	22	17	15	25	25	21	20
Communications	3	3	2	2	2	2	2	2	4	4	3	3
Computer & Info. Science	5	5	4	4	4	4	4	4	4	4	4	4
Education	5	4	11	12	9	9	8	7	14	14	11	10
Engineering	11	11	1	1	5	5	21	19	2	1	12	10
Fine & Applied Arts	4	4	5	5	4	4	3	3	6	5	4	4
Foreign Languages	0	0	0	0	0	0	0	0	1	0	1	0
Health Professions	5	6	24	25	17	17	6	6	18	19	12	12
Home Economics	0	0	2	2	1	2	0	0	1	1	0	1
Letters (Humanities)	0	0	0	0	0	0	0	0	1	0	0	0
Mathematics	0	0	0	0	0	0	0	0	0	0	0	0
Physical Science	2	1	1	1	1	1	3	2	1	1	2	2
Community Service	5	4	4	5	4	5	3	5	4	5	3	5
Social Sciences	3	3	4	4	4	4	4	4	5	5	4	4
Trade, Indust., Tech.	12	14	1	1	5	6	11	14	1	1	6	8
General Studies	2	0	2	0	2	0	1	0	2	0	1	0
Undecided	7	9	8	9	8	9	5	8	8	9	6	9
Sample Size		2,902		4,188		7,090		667		615		1,282

Educational or Vocational Field	Private 2-Year MEN Ed. Maj.	MEN 1st Voc.	WOMEN Ed. Maj.	WOMEN 1st Voc.	TOTAL Ed. Maj.	TOTAL 1st Voc.	Private 4-Year MEN Ed. Maj.	MEN 1st Voc.	WOMEN Ed. Maj.	WOMEN 1st Voc.	TOTAL Ed. Maj.	TOTAL 1st Voc.
Agric., Forestry, etc.	9	11	2	1	4	4	4	4	1	1	2	2
Architecture	3	3	1	2	2	2	2	3	1	1	1	2
Biological Sciences	1	1	1	1	1	1	4	2	3	2	3	2
Business & Commerce	13	12	28	28	23	23	19	18	15	15	16	17
Communications	5	5	2	1	3	2	2	2	3	4	3	3
Computer & Info. Science	2	1	2	2	2	2	2	2	1	2	2	2
Education	10	8	16	18	14	15	10	10	18	17	15	14
Engineering	12	12	0	0	4	4	9	8	1	1	4	4
Fine & Applied Arts	4	4	7	7	6	6	7	6	8	8	8	7
Foreign Languages	0	0	1	0	0	0	0	0	1	1	1	0
Health Professions	7	7	15	16	12	13	9	10	20	22	16	17
Home Economics	0	0	7	7	5	5	0	0	1	1	1	1
Letters (Humanities)	2	2	1	1	1	1	8	7	4	3	5	5
Mathematics	0	0	0	0	0	0	1	0	0	0	1	0
Physical Science	1	0	1	1	1	1	2	2	1	1	1	1
Community Service	1	1	3	3	2	3	2	3	4	5	3	4
Social Sciences	3	2	3	4	3	3	7	7	8	8	8	8
Trade, Indust., Tech.	12	16	0	0	4	5	3	5	0	0	2	2
General Studies	3	0	4	0	4	0	2	0	2	0	2	0
Undecided	11	13	6	7	7	9	8	10	8	9	8	9
Sample Size		214		449		663		1,455		2,013		3,468

TABLE 3.1 *(Continued)*

Public Master's						Public PhD					
MEN		WOMEN		TOTAL		MEN		WOMEN		TOTAL	
Ed Maj	1st Voc	Ed Maj	1st Voc	Ed Maj	1st Voc	Ed Maj	1st Voc	Ed Maj	1st Voc	Ed Maj	1st Voc
7	8	2	2	4	4	7	7	2	2	4	5
3	3	2	2	2	2	4	4	2	2	3	3
2	2	2	1	2	1	3	2	3	2	3	2
23	22	21	21	22	21	19	17	17	17	18	17
4	4	4	4	4	4	4	4	5	5	4	4
4	5	3	3	4	4	4	4	3	3	3	3
9	8	17	18	14	14	3	3	11	12	7	8
10	9	1	1	5	4	20	19	3	3	11	11
5	5	7	6	6	5	3	3	7	7	5	5
0	0	0	0	0	0	0	0	1	1	1	0
6	7	17	18	12	14	9	10	20	21	15	16
0	0	2	2	1	1	0	0	2	2	1	1
0	0	1	1	1	1	0	1	1	1	1	1
1	0	0	0	1	0	1	0	1	0	1	0
2	2	1	0	1	1	3	3	1	1	2	2
3	3	4	5	4	4	1	2	3	3	2	3
5	5	7	6	6	6	7	6	8	8	7	7
5	6	0	1	2	3	3	4	0	0	1	2
1	0	2	0	1	0	1	0	2	0	1	0
9	12	8	9	8	10	7	10	8	9	8	10
3,166		4,362		7,528		7,959		8,342		16,301	

Total Public and Private					
MEN		WOMEN		TOTAL	
Ed Maj	1st Voc	Ed Maj	1st Voc	Ed Maj	1st Voc
7	7	2	2	4	4
3	3	2	2	2	2
3	2	3	2	3	2
19	18	19	19	19	19
3	3	4	4	4	4
4	4	3	3	3	3
5	5	13	14	10	10
16	15	2	2	8	8
4	4	7	6	6	5
0	0	1	0	0	0
9	9	21	23	15	16
0	0	2	2	1	1
1	1	1	1	1	1
1	0	1	0	1	0
3	2	1	1	2	1
2	3	3	4	3	3
6	6	7	7	6	6
5	7	0	0	2	3
1	0	2	0	2	0
8	10	8	9	8	9
19,235		23,159		42,394	

Private Master's						Private PhD					
MEN		WOMEN		TOTAL		MEN		WOMEN		TOTAL	
Ed Maj	1st Voc	Ed Maj	1st Voc	Ed Maj	1st Voc	Ed Maj	1st Voc	Ed Maj	1st Voc	Ed Maj	1st Voc
2	2	1	1	1	2	1	1	0	1	1	1
1	2	1	1	1	1	2	2	1	2	2	2
3	1	4	2	4	2	5	1	4	2	5	2
22	21	13	14	17	17	18	16	16	16	17	16
4	3	4	4	4	3	2	3	5	5	4	4
2	2	2	2	2	2	3	3	1	1	2	2
7	8	18	21	13	15	3	3	13	14	8	8
8	8	1	0	4	4	16	15	2	2	9	9
6	6	9	7	7	6	5	4	7	7	6	6
0	0	1	0	1	0	0	0	1	1	1	0
12	13	21	24	17	19	16	19	23	26	19	23
0	0	1	1	1	1	0	0	3	2	2	1
6	6	3	2	4	4	3	3	1	1	2	2
2	0	0	0	1	0	1	1	1	0	1	1
3	3	0	0	2	1	3	3	2	1	3	2
2	2	3	3	2	3	1	3	2	2	2	2
10	10	9	9	9	10	11	12	9	9	10	10
2	3	0	0	1	1	2	4	0	0	1	2
1	0	2	0	1	0	2	0	3	0	2	0
7	8	6	8	7	8	6	8	6	8	6	8
706		905		1,611		759		755		1,514	

TABLE 3.2

Distribution of Educational Degree Aspirations

(In Percentages)

Degree Aspiration	Public 2-Year			Public 4-Year			Public Master's			Public PhD		
	M	W	T	M	W	T	M	W	T	M	W	T
Voc. or tech. program (less than 2 years)	6	4	6	3	3	3	2	1	2	1	1	1
2 year college degree	27	36	32	14	23	18	7	11	9	3	6	5
Bachelor's degree	39	35	36	47	44	46	51	51	51	44	49	46
1 or 2 years of grad. study (MA, MBA, etc.)	12	10	11	15	12	13	19	16	17	22	19	20
Professional level degree (PhD, MD, LLB, JD, etc.)	11	9	10	19	13	16	17	16	17	28	21	25
Other	5	5	5	3	5	4	5	5	5	3	3	3
Sample Size	2,853	4,098	6,951	660	596	1,256	3,128	4,290	7,418	7,869	8,209	16,078

TABLE 3.2 *(Continued)*

Private 2-Year			Private 4-Year			Private Master's			Private PhD			Total Public and Private		
M	W	T	M	W	T	M	W	T	M	W	T	M	W	T
6	6	6	1	1	1	1	1	1	1	1	1	2	2	2
20	37	31	5	9	7	2	7	5	1	4	2	8	14	11
36	38	38	43	50	47	39	51	46	27	45	36	43	46	44
16	8	11	21	17	19	22	19	20	25	23	24	19	17	18
15	7	10	25	18	21	30	20	24	44	26	35	24	18	21
7	3	5	5	4	4	5	3	4	2	2	2	4	4	4
210	452	662	1,443	1,993	3,436	700	890	1,590	747	749	1,496	19,004	22,785	41,789

TABLE 3.3

Distribution of Importance of Factors Affecting College Choice

(In Percentages)

	Public 2-Year			Public 4-Year			Public Master's			Public PhD		
College Choice Factor	M	W	T	M	W	T	M	W	T	M	W	T
Type of Institution												
Most important	11	10	10	9	7	8	12	10	11	10	9	10
2nd in importance	18	17	17	25	19	22	19	18	19	20	20	20
3rd in importance	20	19	20	20	21	20	20	21	21	22	22	22
4th-6th in importance	48	53	51	42	51	47	46	49	48	46	48	47
Least (7th) important	2	1	2	3	1	2	2	1	2	2	1	2
Sample Size	2,289	3,456	5,745	550	519	1,069	2,610	3,718	6,328	7,063	7,413	14,476
Student-Body Composition												
Most important	2	2	2	2	1	1	3	2	2	2	2	2
2nd in importance	6	4	5	5	5	5	6	5	6	5	6	5
3rd in importance	9	7	8	9	9	9	12	9	10	11	10	11
4th-6th in importance	75	79	77	74	80	77	72	77	75	75	77	76
Least (7th) important	8	8	8	10	5	8	7	6	6	7	5	6
Sample Size	2,213	3,311	5,524	528	507	1,035	2,535	3,628	6,163	6,831	7,217	14,048
Location (State or Region)												
Most important	20	21	20	16	20	18	19	19	19	15	17	16
2nd in importance	27	28	28	21	23	22	25	25	25	26	25	26
3rd in importance	29	28	29	26	29	28	26	27	27	27	27	27
4th-6th in importance	24	22	23	36	27	32	30	26	29	30	30	30
Least (7th) important	1	1	1	1	1	1	1	1	1	1	1	1
Sample Size	2,313	3,487	5,800	557	528	1,085	2,627	3,762	6,389	7,083	7,493	14,576
Tuition, Cost												
Most important	18	18	18	14	18	16	17	17	17	13	14	13
2nd in importance	31	34	33	27	34	30	29	31	31	29	30	30
3rd in importance	22	24	23	23	21	22	23	23	23	22	23	23
4th-6th in importance	28	24	25	34	27	31	29	27	28	34	31	32
Least (7th) important	2	0	1	2	1	1	2	1	1	2	2	2
Sample Size	2,308	3,470	5,778	556	526	1,082	2,619	3,745	6,364	7,037	7,454	14,491
Size of Enrollment												
Most important	1	1	1	0	3	2	1	1	1	1	1	1
2nd in importance	4	3	3	3	3	3	4	4	4	3	3	3
3rd in importance	6	7	6	10	8	9	7	7	7	6	7	7
4th-6th in importance	83	86	85	83	83	81	82	84	83	83	85	84
Least (7th) important	6	4	5	7	4	5	6	4	5	8	4	6
Sample Size	2,182	3,291	5,473	531	506	1,037	2,528	3,623	6,151	6,728	7,167	13,895
Field of Study												
Most important	48	50	49	54	50	52	46	50	48	57	56	57
2nd in importance	15	14	15	17	16	17	16	17	17	16	16	16
3rd in importance	13	14	14	10	13	12	12	12	12	10	11	11
4th-6th in importance	23	21	22	18	21	19	25	20	22	16	17	16
Least (7th) important	1	0	1	1	0	1	1	1	1	1	1	1
Sample Size	2,296	3,456	5,752	558	526	1,084	2,605	3,739	6,344	7,067	7,466	14,533
Other Activities												
Most important	3	2	2	6	4	5	5	3	3	4	3	4
2nd in importance	2	1	2	4	1	3	2	1	2	3	2	3
3rd in importance	2	1	2	3	2	2	2	1	2	3	2	2
4th-6th in importance	15	13	14	15	8	12	13	12	12	14	11	12
Least (7th) important	77	83	81	71	86	78	78	83	81	76	83	79
Sample Size	1,936	2,908	4,844	473	450	923	2,232	3,126	5,358	5,996	6,182	12,178

TABLE 3.3 (Continued)

Private 2-Year			Private 4-Year			Private Master's			Private PhD			Total Public and Private		
M	W	T	M	W	T	M	W	T	M	W	T	M	W	T
22	23	23	18	18	18	19	22	20	15	18	16	12	11	11
20	17	18	20	21	21	24	20	22	21	27	24	20	19	20
17	23	21	19	20	19	19	20	19	22	19	20	21	21	21
37	35	36	40	40	40	36	37	37	41	35	38	45	47	46
4	2	3	3	2	2	1	1	1	2	1	2	2	1	2
178	386	564	1,248	1,793	3,041	619	809	1,428	682	688	1,370	16,521	20,197	36,718
4	2	3	2	2	2	3	3	3	1	2	2	2	2	2
4	7	6	5	7	6	8	7	8	6	8	7	5	5	5
18	11	13	11	9	10	11	11	11	10	12	11	11	9	10
63	73	70	73	75	74	70	71	71	73	72	73	74	77	76
12	6	8	9	7	8	9	8	8	9	6	8	8	6	7
170	377	547	1,215	1,734	2,949	602	787	1,389	667	666	1,333	15,989	19,587	35,576
15	12	13	8	10	9	7	11	9	7	8	8	15	14	16
19	22	21	21	21	21	20	21	21	22	22	22	25	25	25
23	22	23	24	26	25	28	24	26	25	27	26	27	27	27
40	41	40	44	41	43	43	42	42	42	40	41	32	30	31
3	4	3	3	2	2	2	2	2	3	2	3	1	1	1
172	367	559	1,241	1,785	3,026	619	805	1,424	683	688	1,371	16,579	20,363	36,942
10	12	11	13	12	13	13	7	10	8	8	8	14	15	14
24	29	27	25	25	25	22	27	25	27	20	24	29	30	30
16	22	20	23	21	22	21	21	21	22	22	22	22	23	23
44	36	38	36	38	37	40	42	41	39	45	42	33	31	32
5	2	3	3	3	3	4	3	4	3	5	4	2	2	2
173	386	559	1,236	1,771	3,007	616	802	1,418	678	678	1,356	16,503	20,243	36,746
1	2	1	2	2	2	2	1	2	1	1	1	1	1	1
10	8	9	8	8	8	4	5	5	4	3	4	4	4	4
12	11	11	11	11	11	11	10	10	9	9	9	7	8	7
69	74	72	74	74	74	76	79	78	78	77	78	81	83	82
6	5	6	5	5	5	7	4	5	8	10	9	7	4	5
172	376	548	1,200	1,749	2,949	597	784	1,381	663	658	1,321	15,805	19,510	35,315
30	42	38	52	51	52	52	50	51	60	52	56	54	53	54
20	16	17	18	17	18	20	18	19	18	17	17	16	16	16
14	9	11	10	12	11	10	12	11	9	12	11	11	12	11
34	29	30	18	19	19	18	18	18	12	19	15	18	18	18
2	4	3	2	1	1	1	1	1	1	1	1	1	1	1
173	382	555	1,244	1,789	3,033	621	810	1,431	691	687	1,378	16,553	20,263	36,836
20	13	15	9	9	9	8	10	9	12	14	13	5	4	5
5	3	4	6	3	4	4	4	4	5	5	5	3	2	3
3	4	3	3	3	3	4	3	3	4	2	3	3	2	2
12	9	10	11	10	11	12	11	11	12	9	11	14	11	12
60	72	68	71	75	73	72	74	73	68	69	69	75	81	78
163	326	489	1,088	1,471	2,559	544	670	1,214	590	577	1,167	14,105	16,867	30,972

TABLE 3.4

Distribution of Financial Aid Considerations

(In Percentages)

Financial Aid Consideration	Public 2-Year			Public 4-Year			Public Master's			Public PhD		
	M	W	T	M	W	T	M	W	T	M	W	T
Expects to apply for Financial Aid	55	59	57	66	69	67	62	66	65	61	63	62
Expects to work while in college and would like help finding employment	52	51	52	56	54	55	58	56	57	55	52	53
Hours per week expects to work during first year of college:												
None	15	20	18	30	32	31	23	30	27	31	36	34
1-10	14	17	16	20	19	20	18	22	20	18	22	20
11-20	31	33	32	28	28	28	33	31	32	32	29	30
21-30	17	12	14	10	10	10	13	8	10	11	7	9
31 or more	7	5	6	4	2	3	4	3	3	2	1	2
No response	16	14	15	8	8	8	9	6	8	6	5	5
Estimated total family income before taxes:												
Less than 3,000	3	4	4	3	5	4	3	4	4	1	2	1
3,000 to 5,999	4	6	5	4	5	4	6	6	6	2	3	3
6,000 to 7,499	3	4	3	3	5	4	3	4	4	2	2	2
7,500 to 8,999	4	4	4	4	3	4	4	4	4	3	3	3
9,000 to 11,999	8	8	8	9	8	8	7	8	8	6	7	6
12,000 to 14,999	10	10	10	11	11	11	9	10	10	9	9	9
15,000 to 19,999	13	12	13	13	15	14	14	14	14	14	12	13
20,000 and over	20	18	19	29	21	25	25	25	25	37	35	36
Consider info. confidential	16	17	17	15	16	15	16	16	16	18	20	19
No response	18	17	17	10	11	10	11	9	10	7	8	8
Number of brothers and sisters under 21 years of age:												
None	18	20	19	16	22	19	17	18	18	17	18	17
One	24	22	23	27	25	26	26	26	26	29	29	29
Two	22	20	21	26	22	24	23	24	23	25	25	25
Three	11	13	12	14	13	13	13	14	14	14	14	14
Four	6	6	6	6	7	6	6	7	6	6	6	6
Five	2	3	3	3	2	3	3	3	3	3	3	3
Six	1	2	1	1	1	1	2	2	2	1	2	1
Seven	1	1	1	0	1	0	1	1	1	1	1	1
Eight	0	0	0	0	0	0	0	0	0	0	0	0
Nine or more	0	0	0	0	0	0	0	0	0	0	0	0
No response	15	13	14	6	7	7	8	5	6	4	4	4
Sample Size	3,423	4,832	8,255	716	668	1,384	3,471	4,623	8,094	9,365	8,695	17,060

TABLE 3.4 *(Continued)*

Private 2-Year			Private 4-Year			Private Master's			Private PhD			Total Public and Private		
M	W	T	M	W	T	M	W	T	M	W	T	M	W	T
60	66	64	68	72	70	69	69	69	63	63	63	62	65	63
55	56	56	60	57	58	56	53	54	58	53	55	56	54	55
29	31	31	25	31	28	31	35	33	33	40	37	26	31	29
22	27	25	22	27	25	20	23	22	19	24	21	18	22	20
31	28	29	32	28	30	31	29	30	32	28	30	32	30	31
5	6	6	10	6	7	9	6	7	10	5	7	12	8	10
2	1	2	2	1	2	1	1	1	2	1	1	3	2	3
10	6	7	9	7	8	8	6	7	4	3	3	8	7	8
5	4	4	2	2	2	1	1	1	1	1	1	2	3	2
6	5	5	3	5	4	3	3	3	1	2	1	3	5	4
3	5	4	3	3	3	3	3	3	3	1	2	3	3	3
6	3	4	3	3	3	2	3	2	3	3	3	3	4	3
8	9	9	10	8	9	6	7	7	6	7	7	7	8	7
11	14	13	10	10	10	11	10	10	6	8	7	9	9	9
9	13	11	14	15	14	16	14	15	13	13	13	14	13	13
29	24	26	29	27	28	34	33	33	44	39	41	32	28	30
12	14	13	14	17	16	15	17	16	17	19	18	17	18	17
12	9	10	11	10	11	10	11	10	5	6	6	10	10	10
20	16	17	18	16	17	15	16	16	15	17	18	17	17	17
21	21	21	24	27	26	28	29	29	27	26	27	27	26	27
18	19	18	25	25	25	26	23	25	24	22	23	24	23	24
16	18	17	15	14	14	14	14	14	16	14	15	14	14	14
7	10	9	6	7	7	5	7	6	10	9	9	6	7	6
6	5	5	3	3	3	3	3	3	4	4	4	3	3	3
3	4	4	1	1	1	2	1	1	2	3	3	1	2	2
2	1	1	1	0	0	0	1	1	1	2	1	1	1	1
0	1	1	0	0	0	0	0	0	1	1	1	0	0	0
1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
8	4	5	8	6	7	7	5	6	1	1	1	7	6	6
234	479	713	1,594	2,156	3,750	765	960	1,725	774	772	1,546	20,771	24,745	45,516

TABLE 3.5

Distribution of Needs for Special Programs and Services

(In Percentages)

Need or Interest	Public 2-Year M	Public 2-Year W	Public 2-Year T	Public 4-Year M	Public 4-Year W	Public 4-Year T	Public Master's M	Public Master's W	Public Master's T	Public PhD M	Public PhD W	Public PhD T
Needs special assistance with:												
Educ. & voc. decisions	41	39	39	40	40	40	46	45	45	44	48	48
Expressing ideas in writing	28	31	29	28	31	29	29	32	31	25	27	26
Reading speed & comprehension	35	33	34	36	34	35	36	34	35	33	30	31
Improving study skills	41	39	40	43	41	42	42	39	41	36	34	35
Improving mathematical skills	41	46	44	41	48	44	41	50	46	31	42	37
Personal counseling	31	29	30	28	30	29	34	32	33	30	30	30
Interested in the following programs:												
Independent study	30	32	31	43	36	40	37	36	37	39	38	39
Freshman honors courses	14	15	14	25	18	22	19	19	19	25	24	25
Study in a foreign country	13	17	15	18	21	20	16	25	21	17	28	22
Advanced placement in:												
English	12	20	17	18	22	20	17	26	22	18	29	24
Mathematics	19	15	16	29	17	23	24	16	19	31	18	25
Social studies	18	15	16	26	18	22	25	19	21	26	20	23
Natural sciences	17	13	14	25	14	20	22	15	18	27	17	22
French	3	4	4	5	6	6	4	6	5	3	7	5
German	2	3	3	4	4	4	3	3	3	3	3	3
Spanish	5	8	7	6	7	7	7	9	8	6	8	7
Other languages	3	4	4	4	4	4	4	3	4	3	3	3
Would like to receive credit by examination in:												
English	24	34	30	31	39	35	34	43	39	35	46	41
Mathematics	21	21	23	38	22	30	34	25	29	41	28	34
Social studies	28	19	23	36	25	31	38	27	32	38	28	32
Natural sciences	23	16	19	33	17	25	30	20	24	35	22	28
Interested in participating in ROTC, NROTC, AFROTC, etc.	9	4	6	22	6	14	12	4	7	13	4	8
Sample Size	3,423	4,832	8,255	716	668	1,384	3,471	4,623	8,094	8,365	8,695	17,060

TABLE 3.5 (Continued)

Private 2-Year			Private 4-Year			Private Master's			Private PhD			Total Public and Private		
M	W	T	M	W	T	M	W	T	M	W	T	M	W	T
45	40	41	42	43	43	44	43	43	43	42	42	43	44	44
31	38	35	27	27	27	22	25	24	22	22	22	26	28	27
38	38	38	34	31	32	34	33	33	33	26	29	33	31	32
52	46	49	44	38	41	39	34	36	31	27	29	39	36	37
47	54	52	40	45	43	31	44	38	26	36	31	35	44	40
30	32	31	31	29	30	32	26	28	30	26	28	30	29	30
34	37	36	41	39	40	42	40	41	49	41	45	39	37	38
18	17	17	23	24	24	27	24	26	42	33	38	23	22	22
17	24	22	19	33	27	19	32	26	22	37	29	17	26	22
13	20	18	19	28	24	20	31	26	29	34	32	18	27	23
21	12	15	24	18	19	26	17	21	39	22	30	28	17	22
21	13	16	26	21	23	25	19	22	33	26	30	25	19	21
22	11	15	22	16	19	24	17	20	35	20	28	25	16	20
3	3	3	3	8	6	3	7	5	4	8	6	4	6	5
5	3	4	4	4	4	3	4	3	5	4	5	3	3	3
7	8	8	5	9	7	6	10	8	9	10	10	6	9	7
5	4	4	4	3	3	3	3	3	3	3	3	3	3	3
23	35	31	35	44	40	37	45	42	43	50	46	33	43	38
26	20	22	32	24	27	37	26	31	47	31	39	37	26	31
29	18	22	37	26	31	36	27	31	41	31	36	36	25	30
25	15	19	29	19	23	31	22	26	41	24	32	32	20	26
8	4	5	9	4	6	9	3	6	12	4	8	12	4	8
234	479	713	1,594	2,156	3,750	765	960	1,725	774	772	1,546	20,771	24,745	45,516

TABLE 3.6

Distribution of Racial-Ethnic Background

(In Percentages)

Racial-Ethnic Background	Public 2-Year			Public 4-Year			Public Master's			Public PhD		
	M	W	T	M	W	T	M	W	T	M	W	T
Afro-American/Black	4	7	6	7	9	8	10	11	11	4	8	6
American/Alaskan Native	1	1	1	1	1	1	1	1	1	1	1	1
Caucasian American/White	88	87	88	78	74	76	70	73	72	79	77	78
Mexican American/Chicano	3	4	4	1	1	1	3	3	3	2	2	2
Oriental/Pacific American	1	0	0	1	0	1	0	0	0	1	1	1
Puerto Rican/Hispanic	0	0	0	0	0	0	0	0	0	0	0	0
Other	2	2	2	2	3	2	2	2	2	2	2	2
Prefer not to respond	4	3	3	3	3	3	3	3	3	4	4	4
Not given	17	15	16	7	9	8	10	6	8	7	6	6
Sample Size	3,423	4,832	8,255	716	668	1,384	3,471	4,623	8,094	8,365	8,895	17,260

TABLE 3.6 *(Continued)*

Private 2-Year			Private 4-Year			Private Master's			Private PhD			Total Public and Private		
M	W	T	M	W	T	M	W	T	M	W	T	M	W	T
2	4	3	7	7	7	3	6	4	2	3	3	5	8	7
11	6	8	1	1	1	0	1	0	1	1	1	1	1	1
71	79	76	77	79	78	80	78	79	82	85	84	75	75	75
0	1	1	1	1	1	1	3	2	1	1	1	2	2	2
0	0	0	0	0	0	0	1	1	2	1	1	1	0	1
0	0	0	0	0	0	0	1	0	1	1	1	0	0	0
3	1	2	2	2	2	1	1	1	1	2	2	2	2	2
4	2	3	3	4	3	4	4	4	6	3	4	4	4	4
9	6	7	10	7	9	10	7	8	3	3	3	9	8	8
234	479	713	1,594	2,156	3,750	765	960	1,725	774	772	1,546	20,771	24,745	45,516

Appendix A

Glossary

Average (Mean): The arithmetic sum of a set of figures, divided by the number of figures added. For example, the high school average is the sum of the four high school grades divided by four.

Confidence Interval: A type of interval estimate for an unknown quantity. A confidence interval specifies a range of values in which the unknown quantity could be with a certain degree of confidence. An interval whose endpoints can be computed from sample data is called a "p" confidence interval if, in repeated sampling, the proportion of such intervals containing the unknown quantity is "p". In many situations, a two-thirds confidence interval is the range from one standard error below the estimate to one standard error above.

Percentage: A proportion (fraction) of a group expressed in hundredths. Thus, 51% means the same thing as 51/100.

Percentile Rank: A number used to describe the standing of an individual relative to a defined group. The percentile rank of a given score is the percentage of individuals in the reference group who rank below that score. The range of percentiles is from 1 to 99, a percentile rank of 1 being at the bottom of the group and a percentile rank of 99 being at the top of the group. The percentile rank of an ACT standard score of S is computed as the proportion of students whose standard score is less than or equal to S-1 plus one-half of the proportion of students whose standard score is equal to S.

Raw Score: The number of test items answered correctly.

Standard Deviation (SD): A quantity that measures the amount of variability present in a specified group. On a given scale, a small standard deviation indicates less variability in the group than a large standard deviation. In many situations, about 67% of a population is included in the range from 1 standard deviation below the mean (see above) to 1 standard deviation above the mean. The standard deviation of ACT mathematics test scores nationally is about 7.6 standard score units for freshman males and about 7.4 for freshman females.

Standard Error (of a survey estimate): A quantity that measures the precision of a survey estimate. On a given scale, a small standard error indicates greater precision (less variability) in the estimate than a large standard error. The standard error of an estimate is equal to the standard deviation of the set of estimates that could be computed from all possible samples of a given design. It is possible to estimate the standard error from the data on which the estimate itself is based. Estimated standard errors can be used to construct confidence intervals (see above).

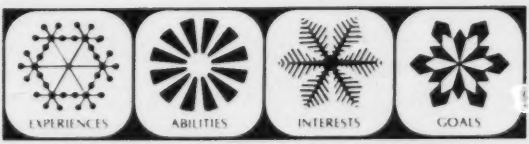
Standard Score: A test score derived from the raw scores (see above). One use of a standard score is to compare scores in different tests. For example, a standard score of 20 indicates the same relative standing on any of the ACT tests.

Appendix B

The ACT Interest Inventory and Student Profile Section

1978-79 EDITION

THE ACT INTEREST INVENTORY AND STUDENT PROFILE SECTION



In response to many inquiries about the information requested on the ACT Interest Inventory and Student Profile Section (SPS), we have prepared this reprint of the two as they appear in *Taking the ACT Assessment*, the student registration handbook for 1978-79.

Most of the SPS items ask for the kind of information about students which students and colleges need for effective planning. Results from the 90-item ACT Interest Inventory help students make educational and career plans.

Instructions supplied on the four-page registration folder tell students that:

"Much of the information on the Student Profile Reports sent to you and to the colleges you select is based on your responses to these two sections."

THE AMERICAN COLLEGE TESTING PROGRAM

THE ACT INTEREST INVENTORY

College planning usually involves career planning. Your scores on the ACT Interest Inventory will suggest educational programs and occupations you may want to consider—**career** options you may not otherwise have considered.

Directions

Please indicate how much you would like doing each of the activities listed below. Mark a response to an activity even if you are uncertain how you feel about it. Consider whether you would **like** or **dislike** an activity rather than whether you have the ability to do it.

For **each** question, choose one of the answers from the scale below and mark the corresponding letter on page 2 of your registration folder. Try to answer **like** or **dislike** to as many questions as possible.

I would **dislike** doing this activity . . . . . D
I am **indifferent** (don't care one way or the other) I
I would **like** doing this activity L

1. Visit a science museum
2. Play jazz in a combo
3. Help settle an argument between friends
4. Promote the opening of a new shopping center
5. Take inventory in a store
6. Run a lawnmower
7. Study the effects of vitamins on animals
8. Compose theme music for movies
9. Be the leader of a group or social club
10. Manage a small business

11. Sort, count, and store supplies
12. Package meat in a grocery store
13. Invent new food substitutes
14. Write a movie script
15. Explain legal and civil rights to people
16. Plan work for other people
17. Balance a checkbook
18. Pump gas in a service station
19. Determine the origin of rock formations
20. Make creative photographs

21. Give first aid to an injured person
22. Work for a consumer protection agency
23. Figure shipping costs for catalog orders
24. Engrave lettering or designs on a trophy or plaque
25. Learn about star formations
26. Select music to play for a local radio station
27. Teach social studies in a 2-year college
28. Interview workers about company complaints
29. Count and sort money
30. Build a picture frame

31. Study plant diseases
32. Write short stories
33. Help people during emergencies
34. Manage a new sales campaign
35. Keep expense account records
36. Drive a bus
37. Study chemistry

38. Read about the writing style of modern authors
39. Teach high school students
40. Hire a person for a job

41. Make charts or graphs
42. Grind lenses for eyeglasses
43. Work in a science lab
44. Compose or arrange music
45. Help friends with their problems
46. Conduct business by phone
47. Operate an IBM machine
48. Read meters for a gas or electric company
49. Study biology
50. Sketch and draw pictures

51. Give legal advice to the poor
52. Make business trips
53. Make out income tax returns
54. Fix a toy
55. Use a microscope or other lab equipment
56. Prepare drawings to illustrate a magazine story
57. Help rescue someone in danger
58. Assume leadership in a business or company
59. Set up a bookkeeping system
60. Build furniture

61. Read books or magazines about new scientific findings
62. Work on your own as an artist
63. Take part in a small group discussion
64. Run a hotel or motel
65. Find errors in a financial account
66. Fix shoes
67. Read about the origin of the earth, sun, and stars
68. Write critical reviews of Broadway plays
69. Counsel people using drugs
70. Sell appliances

71. Look for errors in the draft of a report
72. Watch for forest fires
73. Learn to use an electron microscope
74. Design a metal sculpture
75. Teach people a new hobby
76. Campaign for a political office
77. Write payroll checks
78. Repair damage to a tree after a storm
79. Measure chemicals in a test tube
80. Draw cartoons

81. Teach high school courses
82. Work on a city council
83. Calculate the interest on a loan
84. Do mechanical drawings
85. Learn how the brain works
86. Play in a band
87. Be a counselor
88. Settle insurance claims
89. Use a computer
90. Rivet sheet metal or leather

* 376 by The American College Testing Program. All rights reserved. Printed in the United States of America.

1978-79 ACT STUDENT PROFILE SECTION

The Student Profile Section (SPS) is designed to help you think about your educational future and to provide information to colleges for their educational planning.

Be sure the information you provide is accurate and complete. Some colleges use the information ACT reports to them as your application for admission; the information thus becomes a part of your basic record at those institutions.

Information on racial/ethnic background, native language, marital status, religious preference, and physical disability is released only to institutions that request it in accordance with federal guidelines. These institutions have indicated that responses will be kept confidential. You are not required to provide this or any other information, nor will you be penalized if you do not.

Mark your responses on page 3 of the registration folder. It is important that you respond to every question. However, if you do not wish to answer a question, you may skip that question.

ADMISSIONS/ENROLLMENT INFORMATION

1. I plan to enroll as a
   - full-time student 1
   - part-time student 2

2. I plan to attend classes primarily during the
   - day 1
   - evening 2

3. I plan to enter college in
   - January, February 1979 0
   - March, April 1979 1
   - May, June, July 1979 2
   - August, September, October 1979 3
   - November, December 1979 4
   - January, February 1980 5
   - March, April 1980 6
   - May, June, July 1980 7
   - August, September, October 1980 8
   - I am currently enrolled in college 9

4. Upon entering college, I plan to live in
   - residence hall 1
   - off-campus room or apartment or own home 2
   - parents' or relatives' home 3
   - married student housing 4
   - fraternity or sorority 5

5. My current marital status is
   - unmarried 1
   - married 2

Use the responses below to answer all the items in this group.

Yes, applies to me 1
No, does not apply to me 2

6. I am a United States citizen.

7. I am a legal resident of the state I recorded on my registration folder.

Many colleges make special provisions or offer programs for students with certain types of physical disabilities. The following item provides colleges with a way to communicate with prospective students about these provisions and programs. Colleges have indicated to ACT that your response will be used only for this purpose.

8. I have a physical handicap or disability that may require special provisions or services from the college I attend.

9. I have served or am currently serving on active duty with the military forces.

10. I have previously earned college credit.

EDUCATIONAL PLANS, INTERESTS, AND NEEDS

The items in this section deal with your special plans, interests, and educational needs.

Major and Occupational Choice

For each question, examine the list of majors that begins with number 100 and ends with number 370. When you have decided on your answers, please blacken the appropriate ovals on your registration folder.

Since we could not list all possible occupations and programs of study, you may not be able to find an exact description of the one you plan to enter. If that is so, you may choose a general area—for example, 100 (Agricultural Fields), 200 (Engineering Fields), 220 (Fine and Applied Arts).

If you are completely undecided about your answer to any of the following three questions, mark 000.

11. Which program of study do you plan to enter?

12. What is your first choice of occupation (vocation)?

13. Many people consider more than one occupation or vocation. What is your second choice?

LIST OF COLLEGE MAJORS AND OCCUPATIONAL CHOICES

100 AGRICULTURE, general
101 Agricultural Business
102 Agricultural Economics
103 Agricultural and Farm Management (farming and ranching)
104 Agriculture, Forestry, and Wildlife Technologies
105 Agronomy (field crops and crop management)
106 Animal Science (husbandry)
107 Fish, Game, and Wildlife Management
108 Food Science and Technology
109 Forestry
110 Horticulture, Ornamental Horticulture
111 Natural Resources Management (soil conservation)

120 ARCHITECTURE, general
121 Architecture Technology
122 City, Community, and Regional Planning
123 Environmental Design, general
124 Interior Design

130 BIOLOGICAL SCIENCES, general
131 Biology
132 Biochemistry
133 Botany
134 Ecology
135 Microbiology
136 Zoology

140 BUSINESS AND COMMERCE, general
141 Accounting
142 Banking and Finance
143 Business Economics
144 Business Management and Administration
145 Food Marketing
146 Hotel and Restaurant Management
147 Labor and Industrial Relations
148 Office Management
149 Marketing and Purchasing (sales and retailing)
150 Real Estate and Insurance
151 Recreation and Leisure
152 Secretarial Studies
153 Transportation and Public Utilities

160 COMMUNICATIONS, general
161 Journalism
162 Radio-Television (related to broadcasting)
163 Advertising

170 COMPUTER AND INFORMATION SCIENCES, general
171 Computer Programming
172 Information Systems and Sciences
173 Systems Analysis
174 Data Processing Technology
175 Computer Operating
176 Data Systems Repair

180 EDUCATION, general
181 Agricultural Education
182 Art Education
183 Business, Commerce, and Distributive Education
184 Elementary Education
185 English Education
186 Home Economics Education
187 Industrial Arts, Vocational, Technical Education
188 Mathematics Education
189 Music Education
190 Physical Education
191 Science Education
192 Secondary Education, general
193 Social Science Education

194 Special Education
195 Speech Education

200 ENGINEERING, general
201 Aerospace, Aeronautical and Astronautical
202 Agricultural Engineering
203 Architectural Engineering
204 Chemical Engineering
205 Civil Engineering
206 Electrical, Electronics and Communications Engineering
207 Environmental and Ecological Engineering
208 Geological Engineering
209 Industrial and of Management Engineering
210 Mechanical Engineering
211 Metallurgical and Materials Engineering
212 Mining and Mineral Engineering
213 Nuclear Engineering
214 Ocean Engineering
215 Petroleum Engineering

220 FINE AND APPLIED ARTS, general
221 Applied Design (crafts, weaving, commercial art)
222 Art (painting, drawing, sculpture)
223 Art History and Appreciation
224 Dance
225 Dramatic Arts (theater arts)
226 Music (liberal arts)
227 Music (performing, composition, theory)
228 Music History and Appreciation
229 Photography, Cinematography

230 FOREIGN LANGUAGES, general
231 French
232 German
233 Italian
234 Latin
235 Spanish
236 Russian

240 HEALTH PROFESSIONS, general
241 Dentistry
242 Dental Assistant
243 Dental Hygiene
244 Dental Lab Technology
245 Environmental Health Technologies
246 Medicine
247 Medical Assistant or Medical Office Assistant
248 Medical or Laboratory Technology
249 Nursing (registered)
250 Nursing (licensed practical nurse)

251 Occupational Therapy
252 Optometry
253 Pharmacy
254 Physical Therapy
255 Public Health
256 Radiology
257 X-ray Technology
258 Surgical Technology (surgeon's assistant, etc.)
259 Veterinary Medicine

260 HOME ECONOMICS, general
261 Clothing and Textiles
262 Consumer Economics and Home Management
263 Family Relations and Child Development
264 Foods and Nutrition (including dietetics)
265 Institutional Management

270 LETTERS (Humanities), general
271 Classics
272 Comparative Literature
273 Creative Writing
274 English, general
275 Linguistics
276 Literature, English
277 Philosophy
278 Religion
279 Speech, Debate, Forensic Science

280 MATHEMATICS, general
281 Applied Mathematics
282 Statistics (mathematical and theoretical)

285 PHYSICAL SCIENCE, general
286 Astronomy
287 Chemistry
288 Earth Sciences
289 Geology
290 Oceanography
291 Physics

300 COMMUNITY SERVICE, general
301 Law Enforcement and Corrections (criminal justice, police science, etc.)
302 Parks and Recreation Management
303 Public Administration
304 Social Work
305 Military

310 SOCIAL SCIENCES, general
311 Anthropology
312 Area Studies (American Civilization, American Studies, etc.)
313 Economics
314 Ethnic Studies (Asian Studies, Black Studies, Chicano Studies, etc.)
315 Geography
316 History
317 International Relations
318 Law (prelaw)
319 Political Science
320 Psychology
321 Sociology

330 TRADE, INDUSTRIAL AND TECHNICAL, general
331 Agricultural Mechanics and Technology
332 Air-Conditioning, Refrigeration and Heating Technology
333 Aeronautical and Aviation Technology
334 Appliance Repair
335 Automobile Body Repair
336 Automobile Mechanics
337 Business Machine Maintenance
338 Carpentry and Construction
339 Drafting, Engineering Graphics
340 Electricity and Electronics
341 Engineering Technology: Aeronautical
342 Engineering Technology: Automotive
343 Engineering Technology: Civil
344 Engineering Technology, Industrial Manufacturing
345 Engineering Technology: Mechanical
346 Graphic Arts (printing, typesetting)
347 Heavy Equipment Operating
348 Dry Cleaning, Laundry, and Clothing Technology
349 Industrial Arts
350 Leatherworking (shoe repair, etc.)
351 Machinework (tool and die, etc.)
352 Masonry (brick, cement, stone, etc.)
353 Metalworking
354 Plumbing and Pipefitting
355 Radio-TV Repair
356 Small-Engine Repair
357 Upholstering
358 Watch Repair and Other Instrument Maintenance and Repair
359 Welding
360 Woodworking (cabinetmaking, millwork)

370 GENERAL STUDIES

000 Undecided

14. How sure are you about your current choice of *program of study*?

I am **very sure**	1
I am **fairly sure**	2
I am **not sure**	3

15. How sure are you about your first occupational choice?

I am **very sure**	1
I am **fairly sure**	2
I am **not sure**	3

16. What is the highest level of education you expect to complete?

Vocational or technical program (less than 2 years)	1
Two-year college degree	2
Bachelor's degree	3
One or 2 years of graduate study (MA, MBA, etc.)	4
Professional-level degree (PhD, MD, LLB, JD, etc.)	5
Other	6

17. I estimate my overall grade point average at the end of my first year in college will be:

0.5-0.9 (D- to D)	1
1.0-1.4 (D to C-)	2
1.5-1.9 (C- to C)	3
2.0-2.4 (C to B-)	4
2.5-2.9 (B- to B)	5
3.0-3.4 (B to B+)	6
3.5-4.0 (A- to A)	7

18. I am interested in participating in ROTC, NROTC, AFROTC, etc. (Reserve Officers' Training Corps)

Yes	Y
No	N

SPECIAL EDUCATIONAL NEEDS, INTERESTS, AND GOALS

Many colleges offer special assistance for the individual development of students. You may wish to seek such assistance. Please respond Y or N to *each* item.

Yes, applies to me	Y
No, does not apply to me	N

19. I need help deciding on my educational and vocational plans.

20. I need help in expressing my ideas in writing.

21. I need help in improving my reading speed and comprehension.

22. I need help in improving my study skills.

23. I need help in improving my mathematical skills.

24. I would like personal counseling.

The next questions (25-39) relate to special college programs designed for students who want and are able to pursue academic work of an enriched or accelerated nature. Please respond Y or N to *each* item.

Yes, I am interested and would like to be considered	Y
No, I am not interested	N

25. Independent study (a program of study with topics chosen by the student, approved by the college, and supervised by a professor, often part of an honors program)

26 Freshman honors courses (designed to challenge academically superior students)

27 Study in a foreign country during undergraduate years in college

28 Advanced placement in English

29 Advanced placement in mathematics

30 Advanced placement in social studies

31 Advanced placement in natural sciences

32 Advanced placement in French

33 Advanced placement in German

34 Advanced placement in Spanish

35 Advanced placement in other language

Some colleges allow students to receive credit for certain courses through the use of special testing procedures. Indicate in which subject areas you would be interested in obtaining credit by examination.

36 Credit by examination in English

37 Credit by examination in mathematics

38 Credit by examination in social studies

39 Credit by examination in natural sciences

COLLEGE EXTRACURRICULAR PLANS

The next questions (40-55) list student activities you may be interested in at college. Please respond Y or N to *each* item.

Yes, I do plan to participate ..... Y
No, I do not plan to participate ..... N

40 Instrumental music

41 Vocal music

42 Student government

43 Publications (newspaper, yearbook, literary magazine)

44 Debate

45 Departmental clubs

46 Dramatics, theater

47 Religious organizations

48 Racial or ethnic organizations

49 Intramural athletics

50 Varsity athletics

51 Political organizations

52 Radio-TV

53 Fraternity or sorority

54 Special-interest groups (ski club, sailing club, judo club, card section, drill teams, etc.)

55 Campus or community service organizations

FINANCIAL AID

The next four questions ask for information about financing your college education, which will be useful to college financial aid officers. Use the responses below to answer items 56-57.

Yes, applies to me ..... Y
No, does not apply to me ..... N

56 I expect to apply for financial aid to help meet college expenses.

57 I expect to work while attending college and would like help in finding employment.

58 About how many hours per week do you plan to work during your first year of college?

None 1
1-10 2
11-20 3
21-30 4
31 or more 5

59 To plan financial aid programs for entering students, colleges need to know the financial background of their students. Please estimate as accurately as possible your family's income. (Indicate total income before taxes.)

Less than $3,000 0
$3,000 to $5,999 1
$6,000 to $7,499 2
$7,500 to $8,999 3
$9,000 to $11,999 4
$12,000 to $14,999 5
$15,000 to $19,999 6
$20,000 and over 7
I consider this information confidential 8

BACKGROUND INFORMATION

Items 60-65 request information about you and your family.

60 Which of the following best describes the community in which you live?

Farm or open country 1
Town or city of
Less than 500 population 2
500-1,999 3
2,000-9,999 4
10,000-49,999 5
50,000-249,999 6
250,000-499,999 7
500,000-999,999 8
More than 1 million 9

61 How many brothers and sisters under 21 years of age do you have?

None 0
One 1
Two 2
Three 3
Four 4
Five 5
Six 6
Seven 7
Eight 8
Nine or more 9

62 Indicate your religious affiliation or preference

- Roman Catholic 1
- Jewish 2
- Protestant 3
- Latter Day Saints 4
- Other 5
- None 6
- I prefer not to respond 7

63 How far away do you live from the college you expect to attend?

- Less than 10 miles 1
- 10-25 miles 2
- 26-100 miles 3
- More than 100 miles 4
- I have no particular college in mind yet 5

64 Is English the language most frequently spoken in your home?

- Yes ..... Y
- No ..... N
- I prefer not to respond 0

Colleges often provide special educational programs and opportunities for students from particular racial or ethnic backgrounds. The following item provides colleges with a way to communicate with you about these programs and opportunities.

65 Which of the phrases below best describes your racial/ethnic group as generally recognized by your family and friends?

- Afro-American, Black 1
- American Indian, Alaskan Native 2
- Caucasian-American, White 3
- Mexican-American, Chicano 4
- Asian-American, Pacific Islander 5
- Puerto Rican, Cuban, other Hispanic origin 6
- Other 7
- I prefer not to respond 8

FACTORS INFLUENCING COLLEGE CHOICE

Items 66-77 concern factors influencing your college choice.

66 I prefer to attend the following type of college

- Public college or university (4-year) 1
- Private college or university (4-year) 2
- Public community or junior college (2-year) 3
- Private junior college (2-year) 4
- Vocational-technical school (2-year or less) 5
- School of nursing 6

67 I prefer to attend a college that is

- coeducational 1
- all male 2
- all female 3
- no preference 4

68 In which *state* do you prefer to attend college? You may indicate up to five states in order of preference. Use the state code list on page 1 of your registration folder.

69 I prefer to attend a college with a maximum annual tuition of (do not include room and board)

- $500 1
- $1,000 2
- $1,500 3
- $2,000 4
- $2,500 5
- $3,000 6
- $3,500 7
- $4,000 8
- No preference 9

70 The size of the student body of the college I prefer to attend is

- Small (under 1,000 students) 1
- Medium (1,000 to 5,000 students) 2
- Large (5,000 to 10,000 students) 3
- Very large (10,000 students or more) 4

In selecting a college, how important to you are (were) the following factors? Please rank item 71-77 by assigning a 1 to the most important one, 2 to the next most important, and so on. Do *not* assign the same rank to more than one item. If you wish to omit one or more items, you may.

71 Type of institution (private, public, 4-year, 2-year)

72 Male/female composition of student body (for example, all male, all female, coeducational)

73 Location (state or region)

74 Tuition, cost

75 Size of enrollment

76 Field of study (major, curriculum)

77 A factor other than those listed above

HIGH SCHOOL INFORMATION

Items 78-189 concern information about your high school education and activities. **If you have been out of high school for 4 years or more, items 78-189 are optional; you may go directly to item 190 on page 8.**

78 The high school from which I will (did) graduate can be best described as a

- public high school 1
- Catholic high school 2
- private, independent school 3
- private, denominational school 4
- military school 5
- other 6

79 The number of students in my high school graduating class is (was)

- fewer than 25 1
- 25-99 2
- 100-199 3
- 200-399 4
- 400-599 5
- 600-899 6
- 900 or more 7

80 The percentage of students in my high school who are (were) of racial background similar to mine is (was)

- 10% or less 1
- between 11% and 25% 2
- between 26% and 50% 3
- between 51% and 75% 4
- between 76% and 90% 5
- 91% or more 6

81 My class rank in high school is (was) (If you are not sure, give your best estimate.)

- top quarter 1
- second quarter 2
- third quarter 3
- fourth quarter 4

82. My overall high school average is (was)

D- to D (0.5-0.9)	1
D to C- (1.0-1.4)	2
C- to C (1.5-1.9)	3
C to B- (2.0-2.4)	4
B- to B (2.5-2.9)	5
B to [illegible] (3.0-3.4)	6
A- to [illegible] (3.5-4.0)	7

83. I would describe my high school curriculum or program as

business or commercial	1
vocational-occupational	2
college preparatory	3
other or general	4

Years Certain Subjects Studied *(Grades 9-12)*

Items 84-93 concern the number of years you will have studied certain subjects by the time you graduate (or have studied, if you have graduated) from high school. Use the responses below to answer *all* the items in this group.

Half-year	1
One year	2
One and a half years	3
Two years	4
Two and a half years	5
Three years	6
Three and a half years	7
Four years or more	8
I did not take any courses in the subject	9

84. English
85. Mathematics
86. Social studies (history, civics, geography, economics)
87. Natural sciences (biology, chemistry, physics)
88. Foreign language (Spanish)
89. Foreign language (German)
90. Foreign language (French)
91. Foreign language (other)
92. Business or commercial
93. Vocational-occupational

Advanced Placement, Accelerated, or Honors Courses

While in high school, I was enrolled in advanced placement, accelerated, or honors courses in the following areas. Use the responses below to answer all the items in this group.

Yes	Y
No	N

94. English
95. Mathematics
96. Social studies
97. Natural sciences
98. Foreign language

HIGH SCHOOL EXTRACURRICULAR ACTIVITIES

Items 99-114 list student extracurricular activities. Please answer Y or N to *each* item on the list.

Yes, I participated in this activity	Y
No, I did not participate in this activity	N

99. Instrumental music (band, orchestra)
100. Vocal music
101. Student government
102. Publications (newspaper, yearbook, literary magazine)
103. Debate
104. Departmental clubs (science club, math club, etc.)
105. Dramatics, theater
106. Religious organizations
107. Racial or ethnic organizations
108. Intramural athletics
109. Varsity athletics
110. Political organizations
111. Radio-TV
112. Fraternity, sorority, or other social clubs
113. Special interest groups (ski club, sailing club, judo club, card section, drill teams, etc.)
114. School or community service organizations

OUT-OF-CLASS ACCOMPLISHMENTS

Items 115-177 deal with your high school out-of-class accomplishments. Please respond Y or N to *each* item.

Yes, applies to me	Y
No, does not apply to me	N

Leadership

115. Was appointed to a student office
116. Actively campaigned to elect myself or another student to a school office
117. Organized a school political group or campaign
118. Participated in a nonschool political campaign
119. Participated in a student movement to change institutional rules, procedures, or policies
120. Was elected to one or more student offices
121. Received an award or special recognition for leadership (of any kind)

Music

122. Composed music
123. Performed with a professional musical group (orchestra, band, choral group)
124. Performed in a school musical group
125. Gave a public recital (individual or group)
126. Played a musical instrument
127. Received a superior rating in a state music contest
128. Participated in a state music contest

Speech

129. Placed first, second, or third in a regional or state speech or debate contest
130. Entered a school speech or debate contest
131. Had substantial roles in high school or church-sponsored plays
132. Gave a speech recital
133. Had roles in plays (not high school or church-sponsored)
134. Appeared on radio or TV as a performer
135. Read for a part in a high school play

Art

136. Finished a work of art (painting, ceramics, sculpture, etc.) on my own (not as part of a course)
137. Exhibited a work of art at my school
138. Exhibited a work of art in a statewide or regional show
139. Exhibited a work of art in a city or county art show
140. Won a prize or award in an art competition at my high school
141. Won a prize or award in a city, county, or state artistic competition
142. Had photographs, drawings, or other artwork published in a public newspaper or magazine

Writing

143. Worked on the staff of a school paper or yearbook
144. Had poems, stories, essays, or articles published in a school publication
145. Wrote an original but unpublished piece of creative writing on my own (not as part of a course)
146. Had poems, stories, or articles published in a public newspaper or magazine (not school paper) or in a state or national high school anthology
147. Won literary award or prize for creative writing
148. Had a work of creative writing published in a public magazine or book
149. Had a work of creative writing published in a school literary magazine or newspaper

Science

150. Wrote an independent paper on a scientific topic which received the highest possible grade given in my school
151. Performed an independent scientific experiment (not as part of a course)
152. Participated in a National Science Foundation summer program for high school students
153. Won a prize or award (of any kind) for scientific work or study
154. Placed first, second, or third in a regional or state science contest
155. Placed first, second, or third in a school science contest
156. Participated in a scientific contest or talent search

Athletics

157. Participated in one or more varsity athletic team events (football, basketball, baseball, etc.) while attending high school
158. Earned a varsity letter in one or more sports in high school
159. Was appointed or elected cheerleader or captain of a varsity team in high school
160. Received all-city, league, county, or state team award (including honorable mention)
161. Participated in an organized athletic competition outside high school
162. Participated in two or more individual athletic activities (tennis, swimming, bowling, skiing, golf, etc.)
163. [illegible] athletic events regularly

Community Service

164. Won recognition or an award for a club or organization activity (FFA, FHA, 4-H, Scouting, Boys' Club, Girls' Club)
165. Taught in a church or synagogue, or led religious service on a regular basis
166. Worked as a volunteer aid in a hospital, clinic, or home
167. Was active in programs which helped my community or neighborhood develop pride in itself
168. Participated in a program to assist children or adults who were handicapped mentally, physically, educationally, or economically
169. Worked as a volunteer on a civic improvement project or in a voter education project
170. Received an award or recognition for any kind of community service

Work Experience

171. Held a regular part-time job (e.g., waitress, sales clerk, newspaper carrier, etc.)
172. Held a full-time paying job during the summer
173. Earned money by selling goods or services
174. Participated in a work-study, distributive education, cooperative work program while enrolled in high school
175. Started my own business or service
176. Supervised the work of others
177. Managed the financial affairs of some organization

EVALUATION OF HIGH SCHOOL EXPERIENCE

Items 178-188 ask you to rate certain aspects of your high school. Your name will not be identified with your responses. Only a group report without names will be sent to your high school. Please try to be both frank and fair; answer in terms of *your own experience or observations* and not in terms of what you may have heard from other students. Use the following scale:

Satisfied, no change necessary	1
No strong feelings one way or the other	2
Dissatisfied, improvement needed	3
No experience with this aspect of the school	4

178. Classroom instruction
179. Number and variety of course offerings
180. Grading practices and policies
181. Number and kinds of tests given
182. Guidance services
183. School rules, regulations, and policies
184. Library or learning center
185. Laboratory facilities
186. Provision for students needing special assistance in improving skills in reading, math, etc.
187. Provision for academically outstanding students (e.g., honor programs, accelerated courses, etc.)
188. Adequacy of programs in career education and planning

189. How adequate do you feel your high school education has been (was)?

Very inadequate	1
Below average	2
Average	3
Good	4
Excellent	5

RELEASE OF STUDENT DATA

Colleges and other educational institutions or agencies (for example, state scholarship agencies) may want to make you aware of educational opportunities, programs, or benefits they offer that seem to match your interests and needs. While ACT wishes to aid the communication between you and these institutions, we will do this only according to your instructions.

190. Do you wish ACT *to inform you* about educational institutions or agencies with such opportunities and programs?

Yes	1
No	2

191. Do you authorize ACT *to send your ACT record to the institutions and agencies* so that they can contact you directly for the purposes stated?

Yes	1
No	2

Appendix C

Accuracy of the Norms

The norms in this report are estimates derived from a sample of the population of 455,170 freshmen who took the ACT Assessment and who enrolled in the 1,099 colleges participating in the Class Profile Service. This population is slightly smaller than the 466,062 students in 1,103 colleges on which the ACT Class Profile National Norms for 1979-80 freshmen are based.[1] The reason for the difference is that the larger data set contains duplicate student records, which were eliminated in computing the norms in this book. This difference is not an error, but is mentioned here so that users will be aware of the reason for the difference.

Two kinds of errors can occur in making estimates from a sample survey—sampling errors and nonsampling errors. Sampling errors occur because only a portion of the population is surveyed, rather than all of it. Nonsampling errors are those that would occur in a census of the population, as well as in a sample. The accuracy of a survey result is determined by the joint effects of both these kinds of errors.

Nonsampling Errors in This Survey

Nonsampling errors arise from many sources, e.g., coverage errors, inability to obtain information about all cases in the sample, respondents' inability or unwillingness to provide correct information, mistakes in recording or coding the data, and processing errors. These errors are discussed below in the context of this survey.

Some students who take the ACT Assessment do not have their scores sent to a college; instead, the colleges learn about them through high school transcripts. Colleges are allowed to include these students in their Class Profile Reports through the "Added Student Option," but not all colleges elect to do so. Hence, a certain segment of the freshman population is excluded from this study. The number of such students is determined by local institutional policies, and the overall effect of this omission on the norms is not known.

Since 1974, ACT has offered colleges three options for testing students residually. They may administer to their students the standard ACT Assessment; they may administer only the SPS and ACT Interest Inventory; they may administer only the four academic tests. Colleges that

[1] The American College Testing Program, *Class Profile National Norms for 1979-80 Freshmen* (Iowa City, Iowa: Author, 1980).

choose the third option are offered the further option of either including their residually-tested students in Class Profile or excluding them. This procedure resulted in the inclusion of approximately 31,200 students for whom no SPS information was available. Thus, the SPS norms in Chapter 3 are based on a smaller sample than are the ACT score and high school grade norms in Chapter 2. In years past, students who tested late or residually have had lower ACT scores and high school grades than students who tested at other times.

SPS data are also unavailable for students who tested before 1973. These students, of course, tend to be older than those who have tested more recently.

In registering for the ACT Assessment, some students do not report their high school grades. Thus, the high school grade norms in this study are based on an incomplete sample. Although it is difficult to estimate the grades of the students who did not supply this information, the overall rate of nonresponse is sufficiently low (less than 5%) that any resulting bias is not likely to be significant.

ACT requires at least three high school grades in order to compute the high school average. This policy results in a 10% nonresponse rate for high school average. Natural science is the area most frequently not included in the high school average.

Because high school grades on the ACT Assessment are student-reported, their accuracy must be examined. In a comprehensive study by Maxey and Ormsby, a random sample of students was selected from 143 high schools chosen to be representative with respect to geographic region, size, and urban-rural characteristics. Information was then collected from 5,775 ACT-tested students in 134 of the schools. Maxey and Ormsby found that on the average, 78% of the students reported their grades accurately to within one letter. About 16% of the students overrepresented a grade by one letter or more, and about 6% underrepresented a grade by one letter or more.[2] Assuming the same pattern has been maintained since 1971, we can conclude that the high school grade distributions in this study are less than a letter grade overstated.

College officials sometimes mark the enrollment status of their students incorrectly, thus introducing another nonsampling error into the study. It is reasonable to assume, however, that these clerical errors are made randomly with respect to the quantities being measured by the ACT Assessment. Thus, it is not likely that a directional bias has been injected into the data.

---

[2]E. J. Maxey and V. J. Ormsby, *The Accuracy of Self-Reported Information Collected on the ACT Test Battery: High School Grades and Items of Non-academic Achievement*, ACT Research Report No. 45 (Iowa City, Iowa: The American College Testing Program, 1971).

Sampling Errors[3]

Sampling errors in surveys like this occur because observations are made only on a sample of the population rather than on the entire population. The sample used in this survey is one of a large number of all possible samples of the same size and design that could have been selected; norms derived from the different samples would differ from each other.

The standard error of a survey estimate is a measure of the variation among the estimates from all possible samples that could result from a particular survey design. It is thus a measure of the precision of the survey estimate: in general, the smaller the standard error, the more precise that estimate is. It is possible to estimate the standard error for a survey estimate from the data. Thus, one can estimate not only some attribute of the population, but also the precision involved in doing so.

As calculated for this report, the estimated standard error also partially measures the effect of some nonsampling errors, such as clerical errors by college officials. It does not, however, measure the biasing effects of nonsampling errors. Bias is the difference, averaged over all possible samples of a given size and design, between the estimate and the desired value. The accuracy of a survey estimate depends on both the sampling and nonsampling errors measured by the standard error, and the bias not measured by it.

The sample estimate and its estimated standard error permit one to construct interval estimates with prescribed confidence that the interval includes the quantity being estimated.[4] To illustrate, if all possible samples of a given design were selected, each surveyed under essentially the same conditions, and an estimate and the associated estimated standard error were calculated from each sample, then approximately two-thirds of the intervals from one standard error below the estimate to one standard error above the estimate would include the quantity being estimated. An interval estimate from one standard error below the estimate to one standard error above the estimate is called a two-thirds confidence interval.

Table C.1 lists the half-width of a two-thirds confidence interval (that is, the standard error) for several values of the sample size (N) and the proportion being estimated (p). The following example shows how to use this table. According to Table 2.2 an estimated 55% of all students in the Class Profile population enrolled in 2-year colleges scored less than 14 on the ACT mathematics test. The sample size for this estimate is 8,968. From Table C.1, the estimated standard error for this estimate is nearest .005. Thus, a two-thirds confidence interval for the proportion of 2-year college students in the Class Profile population who scored less than 14 on the ACT mathematics test is approximately .55 ± .005, that is, .545 to .555.

---

[3]Part of this discussion is adapted from "Standards for Discussion and Presentation of Errors in Survey and Census Data," by Gonzales, Ogus, Shapiro, and Tepping. *Journal of the American Statistical Association*, 70, No. 351, Part II.

[4]Strictly speaking, confidence interval estimates pertain to the average result of all possible samples of a given size and design. The average result of all possible samples of a given size and design is equal to the quantity being estimated plus the bias.

Note that the standard errors are symmetric about p = .50; thus, for any given sample size, the standard error corresponding to an estimated proportion of .40 is the same as that for .60; the same consideration applies to estimated proportions of .30 and .70, .20 and .80, and so on.

Observe also that the standard error for a proportion p is a function of both p and the sample size N. In general, the standard error decreases as N increases or as p approaches 0 or 1. In other words, the larger the sample or the more extreme the true value of p, the more precision there is in estimating p.

The entries in Table C.1 are based on "simple random sampling," which would correspond to putting in a hat the names of all students in a Class Profile subgroup, mixing the contents of the hat, and selecting a 10% sample. The sampling procedure actually used in this study corresponds more closely to drawing simple random samples from *each school separately*, with the sample size proportional to school size. Due to differences among the schools, this latter method actually yields more precise estimates; thus, the standard errors in Table C.1 are upper bounds. In other words, the precision of the estimates is better than indicated in Table C.1.

The above statement needs to be qualified somewhat. Unlike the sample sizes for norms based on college characteristics (such as region, control, and type), the sample sizes for norms based on student characteristics (such as sex, race, and age) are not fixed from sample to sample: another sample taken in the same way as this one would result in the same number of students for the norms based on college characteristics, but might very well result in a different number of males, females, Blacks, etc. The effect of this extra source of variation is to decrease the precision of the estimates and thus increase their standard error. The exact amount of increase is unknown, but is probably quite small and is offset by the stratification of colleges. Therefore, entries in Table C.1 are applicable to norms based on student characteristics, as well as to those based on college characteristics.

Finally, the norms in Tables 2.6 and 2.84 are based on 100% samples of the students. Therefore, there is no sampling error in those norms.

TABLE C.1

Estimated Standard Errors for Estimated Proportions

Sample Size (N)	Estimated Proportion (p)						
	.01 or .99	.05 or .95	.10 or .90	.20 or .80	.30 or .70	.40 or .60	.50
50,000	*	.001	.001	.002	.002	.002	.002
40,000	*	.001	.001	.002	.002	.002	.002
30,000	.001	.001	.002	.002	.003	.003	.003
20,000	.001	.001	.002	.003	.003	.003	.003
10,000	.001	.002	.003	.004	.004	.005	.005
9,000	.001	.002	.003	.004	.005	.005	.005
8,000	.001	.002	.003	.004	.005	.005	.005
7,000	.001	.002	.003	.005	.005	.006	.006
6,000	.001	.003	.004	.005	.006	.006	.006
5,000	.001	.003	.004	.005	.006	.007	.007
4,000	.001	.003	.005	.006	.007	.007	.008
3,000	.002	.004	.005	.007	.008	.008	.009
2,000	.002	.005	.006	.008	.010	.010	.011
1,000	.003	.007	.009	.012	.014	.015	.015
900	.003	.007	.009	.013	.014	.015	.016
800	.003	.007	.010	.013	.015	.016	.017
700	.004	.008	.011	.014	.016	.018	.018
600	.004	.008	.012	.015	.018	.019	.019
500	.004	.009	.013	.017	.019	.021	.021
400	.005	.010	.014	.019	.022	.023	.024
300	.005	.012	.016	.022	.025	.027	.027
200	.007	.015	.020	.027	.031	.033	.034
100	.009	.021	.028	.038	.043	.046	.047

*Denotes standard error less than .0005

ACT Regional Offices

The professional staff of The American College Testing Program is pleased to consult with educators to improve the interpretation and uses of ACT information and services. Addresses and telephone numbers of the ACT Regional Offices are given below.

NATIONAL OFFICE

The ACT Program
P.O. Box 168
Iowa City, Iowa 52243

David S. Crockett
Vice President
Telephone: 319/337-1037

WESTERN REGION

States west of the Mississippi including Alaska, Hawaii, and Wisconsin

Thomas F. Heaney
Regional Vice President,
Western Region
Educational Services Division
The ACT Program
P.O. Box 168
Iowa City, Iowa 52243
Telephone: 319/337-1060

Western Regional Offices

Alaska, Idaho, Oregon, Washington

Russell Monahan, Regional Director
The ACT Program
Colonial Office Campus, Suite 201A
10211 S.W. Barbur Boulevard
Portland, Oregon 97219
Telephone: 503/245-4483

California, Hawaii

C. Douglas Barker, Regional Director
The ACT Program
Downtown Plaza Towers, Suite 766
555 Capitol Mall
Sacramento, California 95814
Telephone: 916/444-6966

Colorado, Montana, Utah, Wyoming

Marcus Ruger, Regional Director
The ACT Program
26 Garden Center, Suite 3C
Broomfield, Colorado 80020
Telephone: 303/469-4464

Arizona, Nevada, New Mexico

Armando Alba, Regional Director
The ACT Program
1100 South Main Street, Suite 200
Las Cruces, New Mexico 88001
Telephone: 505/524-3584

Texas

Aubrey Lewis, Regional Director
The ACT Program
One Highland Center, Suite 301
314 Highland Mall Boulevard
Austin, Texas 78752
Telephone: 512/454-8694

Kansas, Nebraska, South Dakota

Don D. Davis, Regional Director
The ACT Program
217 South Wind Place
P.O. Box 1104
Manhattan, Kansas 66502
Telephone: 913/539-6551

Minnesota, North Dakota, Wisconsin

Milt Hillery, Regional Director
The ACT Program
Water's Edge Office Plaza
Highway 13 and Boudin Road
P.O. Box 367
Prior Lake, Minnesota 55372
Telephone: 612/447-6049

Iowa, Missouri, Oklahoma

M. D. Mat Matson, Regional Director
The ACT Program
1736 East Sunshine Street, Suite 409
Springfield, Missouri 65804
Telephone: 417/883-7300

Arkansas, Louisiana

Fred Alexander, Regional Director
The ACT Program
Southpark Office Plaza, Suite 105
9029 Mansfield Road
Shreveport, Louisiana 71118

EASTERN REGION

States east of the Mississippi (except Wisconsin)

Thomas C. Oliver
Regional Vice President,
Eastern Region
Educational Services Division
The ACT Program
P.O. Box 168
Iowa City, Iowa 52243
Telephone: 319/337-1055

Eastern Regional Offices

Illinois

Dallas Chapman, Regional Director
The ACT Program
Washington Executive Plaza, Suite 107
552 South Washington Street
Naperville, Illinois 60540
Telephone: 312/369-0700

Michigan, West Virginia

James A. Eanes, Regional Director
The ACT Program
4970 Northwind Drive, Suite 142
East Lansing, Michigan 48823
Telephone: 517/351-3904

Indiana, Ohio

Tom Colaner, Regional Director
The ACT Program
151 Clough Street
Bowling Green, Ohio 43402
Telephone: 419/352-5317

Alabama, Georgia, Kentucky, Mississippi, Tennessee, Virginia

J. Sam Anzalone, Carolyn Kostelecky;
Regional Directors
The ACT Program
Waterford Center, Suite 270
4480 N. Shallowford Road
Atlanta, Georgia 30338
Telephone: 404/394-4770

Florida, North Carolina, South Carolina

Jim Carr, Regional Director
The ACT Program
Ellis Building, Suite 229
1311 Executive Center Drive
Tallahassee, Florida 32301
Telephone: 904/878-2729

Connecticut, Delaware, District of Columbia, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont

Pete Fisher, Dan Schaeffer; Regional
Directors
The ACT Program
General Washington Building, Suite 109
216 Goddard Boulevard
King of Prussia, Pennsylvania 19406
Telephone: 215/265-0345